

AMG CT Scan Protocol Manual

05/22/2025



Atlantic
Health System

Neuro



Table of Contents

Neuro Protocols

CT Head	4
CT Facial Bones	5
CT Orbits	6
CT Temporal Bones	7
CT Sinus	8
CT Fusion Sinus	9
CT Stealth Head	10
CTV Head	11
CT Perfusion	12
CTA Head	13
CTA Head & Neck	14
CTA Neck	15
CT Soft Tissue Neck	16
CT 4D Parathyroid	17
CTV Neck	18
CT Pituitary	19
CT C-spine	20
CT T-spine	21
CT L-spine	22

Body Protocols

CT Trauma CAP	24
CT Onc. CAP	25
CT Routine Chest	26
CTA Pulmonary Embolus	27
CTA Dissection (Gated)	28
CTA AFIB	29
CT Chest Venogram	30
CT Cardio Lung	31
Lung Cancer Screening	32
CT Non-Contrast TAVR	33
CTA TAVR	34
CTA TAVR Tricuspid	35
CT Routine Abd-Pel	36
CT Venogram Abd-Pel	37
CTA GI Bleed	38
CTA Mes. Isch.	39
CTA Dissection AbdPel	40
CT AAA(known)	41
CTA Endograft Leak (Stent)	42
CT TriPhase Liver&Pancreas	43
CT Renal Mass	44
CT Adrenal Mass (Washout)	45
CT Urogram(Hematuria)	46
CT Cystogram	47
CT Enterography	48

Extremities

CTA Bilat Run-off	50
CTA Upper Extremity	51
CT Upper Ext. Shoulder_Humerus	52
CT Upper Ext. Hand_Wrist_Elbow	53
CT Entire Upper Ext.	54
CT Lower Ext. Hip	55
CT Lower Ext. Knee	56
CT Lower Ext. Foot_Ankle	57
CT Entire Lower Ext.	58

Peds Protocols

PEDS CT Head	60
PEDS CT Craniosynostosis	61
PEDS CT Stealth Head	62
PEDS CT Sinus	63
PEDS CT Facial Bones	64
PEDS CT Orbits	65
PEDS CT C-Spine	66
PEDS CT Soft Tissue Neck	67
PEDS CT Temporal Bones	68
PEDS CT Routine Chest	69
PEDS CTA Pulmonary Embolus	70
PEDS CT Abd-Pel	71
PEDS CT Upper Ext. Shoulder	72
PEDS CT Upper Ext. Hnd_Wr_Elb.	73
PEDS CT Entire Upper Ext.	74
PEDS CT Lower Ext. Hip	75
PEDS CT Lower Ext. Foot_Ankle	76
PEDS CT Lower Ext. Knee	77
PEDS CT Entire Lower Ext.	78

Indication	Trauma, near syncope, TIA, Stroke, Seizure
Pre and post contrast	Mets

Scanning Notes: CT Head With contrast requires a NON-Contrast study in addition if one has not been performed in the preceding 4 hours.

Parameters	Non-Con Head	5 min. Delay
Isocenter	Slightly Ant. to EAM	Slightly Ant. to EAM
SFOV	Head (30cm)	Head (30cm)
Pitch	0(axial rotation on app. scanner)	0(axial rotation on app. scanner)
Beam Collimation	SC:80mm-160mm	SC:80mm-160mm
Rotation speed	1 second	1 second
kVp	120	120
mA	310	310
Noise Index	n/a	n/a
CTDI (mGy)	46.5	46.5
Avg DLP (mGy*cm)	700	1400

Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 5 min. Delay
Scan Range/Direction	Base of Skull to vertex	Base of Skull to vertex
DFOV	25cm	25cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	5 minute delay

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Head	Axial	palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
Thin Non-Con Head	Axial	palate	30%	STD	100/35	.625/.625mm	
Non-Con Head	Coronal	⊥palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
Non-Con Head	Sagittal	septum	30%	STD	100/35	2.5/2.5mm	AHSPACS
With 5 min delay	Axial	palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
Thin 5 min Delay Head	Axial	palate	30%	STD	100/35	.625/.625mm	
With 5 min delay	Coronal	⊥palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
With 5 min delay	Sagittal	septum	30%	STD	100/35	2.5/2.5mm	AHSPACS



Indication	Trauma
Post contrast	Infection

Scanning Notes:

Parameters	Non-Con Facial Bones	Post Contrast 70 sec Delay
Isocenter	Mid-maxillary sinus	Mid-maxillary sinus
SFOV	Head (30cm)	Head (30cm)
Pitch	.516:1	.516:1
Beam Collimation	40mm	40mm
Rotation speed	0.5 second	0.5 second
kVp	120	120
mA	200	200
Noise Index	n/a	n/a
CTDI (mGy)	29.67	29.67
Avg DLP (mGy*cm)	500	500

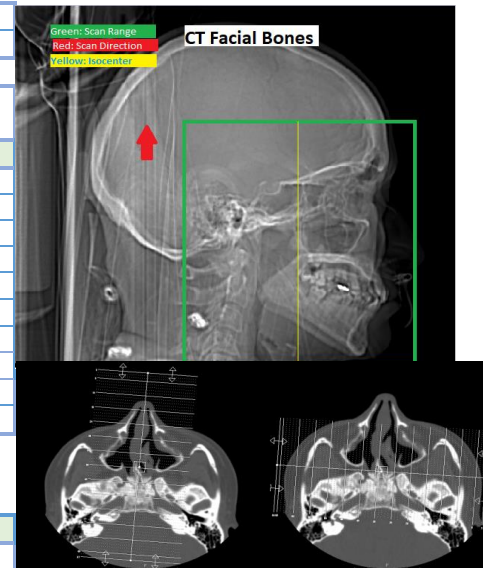
Scanning protocol:

Phase	Non-Con Facial Bones	Post Contrast 70 sec Delay
Scan Range/Direction	Below Mandible to Above frontal sinus	Below Mandible to Above frontal sinus
DFOV	15cm	15cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec. delay

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Facial Bones	Axial	palate	40%	DETAIL	2000/500	2.5/2.5mm	AHSPACS
Thin Non-Con Facial Bones	Axial	palate	40%	DETAIL	2000/500	.625/.625mm	AHSPACS
Non-Con Facial Bones	Coronal	⊥palate	40%	DETAIL	2000/500	2.5/2.5mm	AHSPACS
Non-Con Facial Bones	Sagittal	septum	40%	DETAIL	2000/500	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	palate	40%	DETAIL	2000/500	2.5/2.5mm	AHSPACS
Thin With 70 sec delay	Axial	palate	40%	DETAIL	2000/500	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	⊥palate	40%	DETAIL	2000/500	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	septum	40%	DETAIL	2000/500	2.5/2.5mm	AHSPACS



Indication	Trauma
Post contrast	Infection, Proptosis

Scanning Notes:

Parameters	Non-Con Orbits	POST-CONTRAST 70 sec. Delay
Isocenter	Mid-maxillary sinus	Mid-maxillary sinus
SFOV	Head (30cm)	Head (30cm)
Pitch	.516:1	.516:2
Beam Collimation	40mm	40mm
Rotation speed	0.5 second	0.5 second
kVp	120	120
mA	200	200
Noise Index	n/a	n/a
CTDI (mGy)	29.67	29.67
Avg DLP (mGy*cm)	500	500

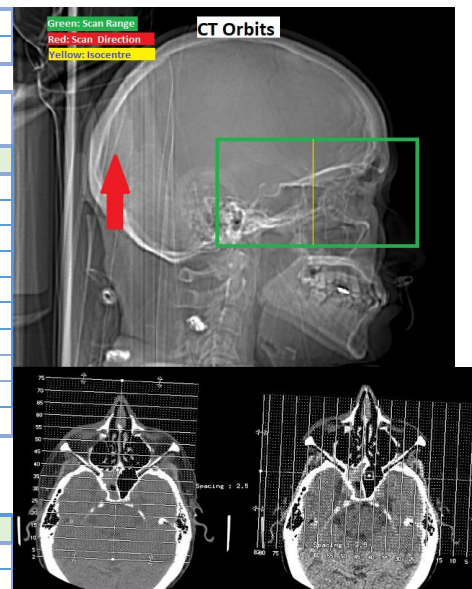
Scanning protocol:

Phase	Non-Con Orbits	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Below Mandible to Above frontal sinus	Below Mandible to Above frontal sinus
DFOV	15cm	15cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec. delay

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Orbits	Axial	palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin Non-Con Orbits	Axial	palate	40%	DETAIL	400/40	.625/.625mm	AHSPACS
Non-Con Orbits	Coronal	⊥palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Non-Con Orbits	Sagittal	septum	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin With 70 sec delay	Axial	palate	40%	DETAIL	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	⊥palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	septum	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS



Indication	Trauma, near syncope, TIA, Stroke, Seizure
Pre and post contrast	Generally with or without not both

Blue: Scan Range
Red: Scan Direction
Green: ROI location
Yellow: Isocentre

Scanning Notes: Left and Right DFOV should be 10cm

Parameters	Non-Con Temporal Bones	POST-CONTRAST 70 sec. Delay
Isocenter	Slightly Ant. to EAM	Slightly Ant. to EAM
SFOV	Head (30cm)	Head (30cm)
Pitch	0(axial rotation on app. scanner)	0(axial rotation on app. scanner)
Beam Collimation	SC: 80mm	SC: 80mm
Rotation speed	.8 seconds	.8 seconds
kVp	140	141
mA	100-335	100-336
Noise Index	4.5	5.5
CTDI (mGy)	16.92-56.62	16.92-56.62
Avg DLP (mGy*cm)	400	800

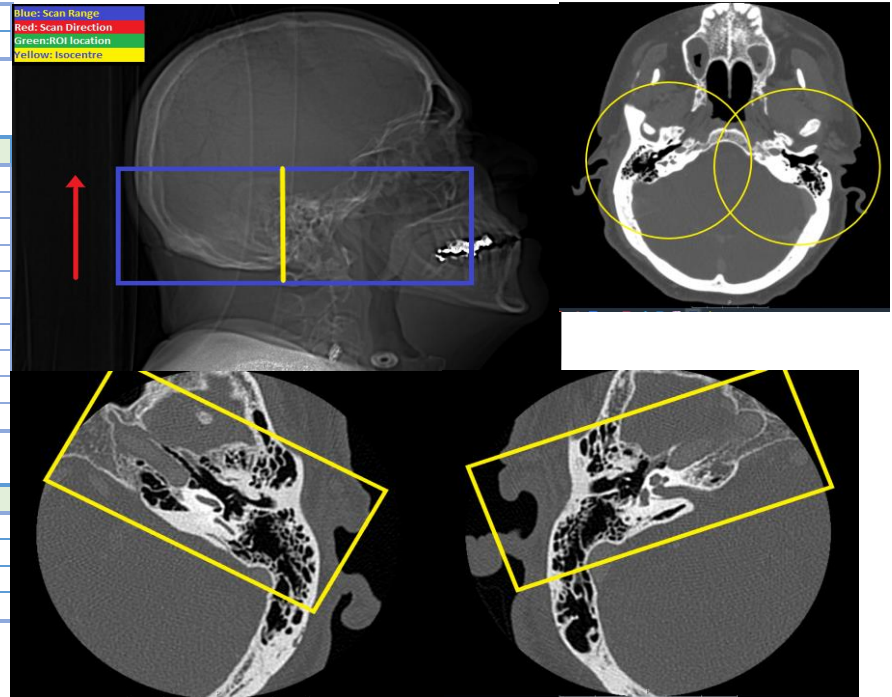
Scanning protocol:

Phase	Non-Con Temporal Bones	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Base of Skull > above Temporal Sinus	Base of Skull > above Temporal Sinus
DFOV	25cm	25cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	5 minute delay

Post Processing:

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Full Fov	Axial	Beam	30%	STD	2000/500	.625/.625mm	AHSPACS
Bilateral Coronal	Coronal	EAM-EAM	30%	STD	2000/500	1.25/1.25mm	AHSPACS
Left Temporal bone	Axial	Beam	30%	Bone Plus	2000/500	.625/.3125mm	AHSPACS
Right Temporal Bone	Axial	Beam	30%	Bone Plus	2000/500	.625/.3125mm	AHSPACS
Left Coronal	Coronal	Sphenoid	30%	Bone Plus	2000/500	.625/.625mm	AHSPACS
Right Coronal	Coronal	Sphenoid	30%	Bone Plus	2000/500	.625/.625mm	AHSPACS
70 Sec. delay Full Fov	Axial	Beam	30%	STD	2000/500	.625/.625mm	AHSPACS
70 Sec. Bilat. Cor.	Coronal	EAM-EAM	30%	STD	2000/500	1.25/1.25mm	AHSPACS
70 Sec. Left T bone	Axial	Beam	30%	Bone Plus	2000/500	.625/.3125mm	AHSPACS
70 Sec. Right T Bone	Axial	Beam	30%	Bone Plus	2000/500	.625/.3125mm	AHSPACS
70 Sec. Left Cor.	Coronal	Sphenoid	30%	Bone Plus	2000/500	.625/.625mm	AHSPACS
70 Sec. Right Cor.	Coronal	Sphenoid	30%	Bone Plus	2000/500	.625/.625mm	AHSPACS



Indication	Sinusitis
Post contrast	Infection

Scanning Notes:

Parameters	Non-Con Sinus	Post Contrast 70 sec Delay
Isocenter	Mid-maxillary sinus	Mid-maxillary sinus
SFOV	Head (30cm)	Head (30cm)
Pitch	.516:1	.516:2
Beam Collimation	40mm	40mm
Rotation speed	0.5 second	0.5 second
kVp	120	120
mA	200	200
Noise Index	n/a	n/a
CTDI (mGy)	29.67	29.67
Avg DLP (mGy*cm)	500	500

Scanning protocol:

Phase	Non-Con Sinus	Post Contrast 70 sec Delay
Scan Range/Direction	Mid teeth above frontal sinus	Mid teeth above frontal sinus
DFOV	15cm	15cm
Contrast volume and rate	n/a	100ml @ 2.0 ml/s
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Sinus	Axial	palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin Non-Con Sinus	Axial	palate	40%	DETAIL	400/40	.625/.625mm	AHSPACS
Non-Con Sinus	Coronal	⊥palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Non-Con Sinus	Sagittal	septum	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Post contrast 70 sec.	Axial	palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Post contrast 70 sec.	Axial	palate	40%	DETAIL	400/40	.625/.625mm	AHSPACS
Post contrast 70 sec.	Coronal	⊥palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Post contrast 70 sec.	Sagittal	septum	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS



Indication	Sinusitis
Post contrast	Infection

Scanning Notes:

Parameters	Non-Con Sinus	Post Contrast 70 sec Delay
Isocenter	Mid-maxillary sinus	Mid-maxillary sinus
SFOV	Head (30cm)	Head (30cm)
Pitch	.516:1	.516:2
Beam Collimation	40mm	40mm
Rotation speed	0.5 second	0.5 second
kVp	120	120
mA	200	200
Noise Index	n/a	n/a
CTDI (mGy)	18.55	18.55
Avg DLP (mGy*cm)	500	500

Scanning protocol:

Phase	Non-Con Sinus	Post Contrast 70 sec Delay
Scan Range/Direction	Mid teeth above frontal sinus	Mid teeth above frontal sinus
DFOV	15cm	15cm
Contrast volume and rate	n/a	100ml @ 2.0 ml/s
Scan Delay	n/a	70 sec

Post Processing:

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Sinus	Axial	palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin Non-Con Sinus	Axial	palate	40%	DETAIL	400/40	.625/.625mm	AHSPACS
Non-Con Sinus	Coronal	⊥palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Non-Con Sinus	Sagittal	septum	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Post contrast 70 sec.	Axial	palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Post contrast 70 sec.	Axial	palate	40%	DETAIL	400/40	.625/.625mm	AHSPACS
Post contrast 70 sec.	Coronal	⊥palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Post contrast 70 sec.	Sagittal	septum	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS



Indication	Surgical Planning
Pre and post contrast	Mets

Scanning Notes:

Parameters	Non-Con Head	5 min. Delay
Isocenter	Slightly Ant. to EAM	Slightly Ant. to EAM
SFOV	Head (30cm)	Head (30cm)
Pitch	0(axial rotation on app. scanner)	0(axial rotation on app. scanner)
Beam Collimation	SC:80mm-160mm	SC:80mm-160mm
Rotation speed	0.6 seconds	0.6 seconds
kVp	120	120
mA	310	310
Noise Index	n/a	n/a
CTDI (mGy)	46.5	46.5
Avg DLP (mGy*cm)	700	1400

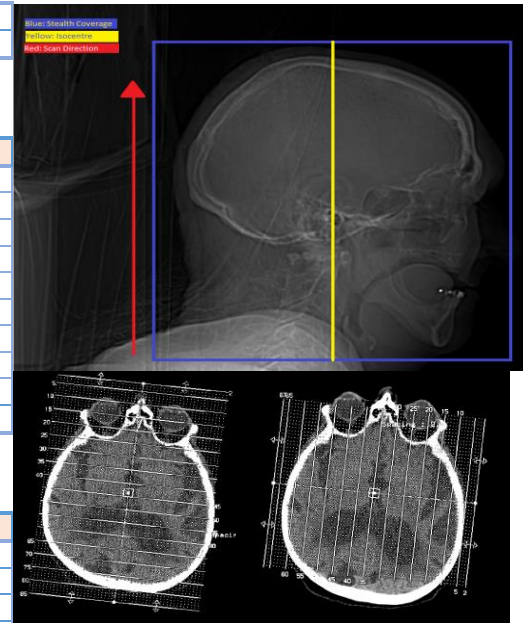
Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST
Scan Range/Direction	Base of Skull to vertex	Base of Skull to vertex
DFOV	25cm	25cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	5 minute delay

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Head	Axial	palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
Thin Non-Con Head	Axial	palate	30%	STD	100/35	.625/.625mm	
Non-Con Head	Coronal	⊥palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
Non-Con Head	Sagittal	septum	30%	STD	100/35	2.5/2.5mm	AHSPACS
With 5 min delay	Axial	palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
Thin 5 min Delay Head	Axial	palate	30%	STD	100/35	.625/.625mm	
With 5 min delay	Coronal	⊥palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
With 5 min delay	Sagittal	septum	30%	STD	100/35	2.5/2.5mm	AHSPACS



Indication	Trauma, near syncope, TIA, Stroke, Seizure
Pre and post contrast	Mets

Scanning Notes:

Parameters	NON-CONTRAST	POST-CONTRAST
Isocenter	Slightly Ant. to EAM	Slightly Ant. to EAM
SFOV	Head (30cm)	Head (30cm)
Pitch	0(axial rotation on app. scanner)	0(axial rotation on app. scanner)
Beam Collimation	Wide / 160mm	Wide / 160mm
Rotation speed	1 second	2 second
kVp	120	120
mA	250	250
Noise Index	n/a	n/a
Focal spot	Large	Large
CTDI (mGy)	4.35-29.92	4.35-29.92
Avg DLP (mGy*cm)	675	675

Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST
Scan Range/Direction	Base of Skull to vertex	Base of Skull to vertex
DFOV	25cm	25cm
Contrast volume and rate	n/a	100 ml @ 3ml/sec
Scan Delay	n/a	40 second delay

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Head	Axial	palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
With 40 second delay	Axial	palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
Thin 40 Second delay	Axial	palate	30%	STD	100/35	.625/.625mm	
With 40 Second delay	Coronal	⊥palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
With 40 Second delay	Sagittal	septum	30%	STD	100/35	2.5/2.5mm	AHSPACS



Indication	Stroke, Seizure
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Scanning Notes: Too many to list

Parameters	Non-Con Head	POST-CONTRAST
Isocenter	Slightly Ant. to EAM	Slightly Ant. to EAM
SFOV	Head (30cm)	Head (30cm)
Pitch	0(axial rotation on app. scanner)	0(axial rotation on app. scanner)
Beam Collimation	SC:80mm-160mm	Wide / 160mm
Rotation speed	1 second	0.5
kVp	120	70
mA	310	225
CTDI (mGy)	170.48	170.48
Avg DLP (mGy*cm)	400	400

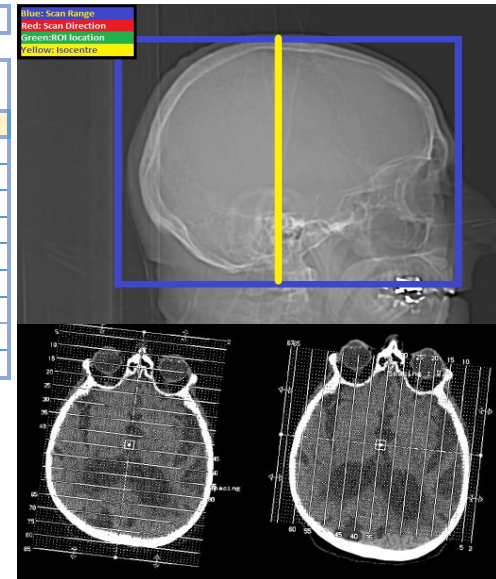
Scanning protocol:

Phase	POST-CONTRAST
Scan Range/Direction	Base of Skull to vertex
DFOV	25cm
Contrast volume and rate	40ml @ 4.0cc/s
Scan Delay	Scan every 2 seconds for 64 seconds

Post Processing:

ALL COR/SAG RECONNED FROM .625MM VOLUME / 3D IMAGES RECONNED ON AW SERVER AUTOBONEXPRESS

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Head	Axial	Skull base	50%	STD	100/35	2.5/2.5mm	AHSPACS
Thin Non-Con Head	Axial	Skull base	50%	STD	100/35	.625/.625mm	AHSPACS
Non-Con Head	Coronal	⊥Corpus C	50%	STD	100/35	2.5/2.5mm	AHSPACS
Non-Con Head	Sagittal	Corpus C	50%	STD	100/35	2.5/2.5mm	AHSPACS
Rapid Perfusion series	Axial	Skull base	50%	STD	100/35	5mm/5mm	AHSPACS,RAPID1,AHSAW
CTA COW	Axial	Skull base	50%	STD	100/35	2.5/2.5mm	AHSPACS
Thin CTA COW	Axial	Skull base	50%	STD	100/35	.625/.625mm	AHSPACS,RAPID2,AHSAW
CTA COW	Coronal	⊥Corpus C	50%	STD	100/35	2.5/2.5mm	AHSPACS
CTA COW	Sagittal	Corpus C	50%	STD	100/35	2.5/2.5mm	AHSPACS
CTA COW 3D MIP	Spin/tumble			STD		10°	AHSPACS
CTA COW 3D VR	Spin/tumble			STD		10°	AHSPACS



Indication	Stroke, Seizure
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Scanning Notes:

Parameters	NON-CONTRAST	POST-CONTRAST
Isocenter	Slightly Ant. to EAM	Slightly Ant. to EAM
SFOV	Adult Body (50cm)	Adult Body (50cm)
Pitch	0(axial rotation on app. scanner)	0(axial rotation on app. scanner)
Beam Collimation	Wide / 160mm	Wide / 160mm
Rotation speed	1 second	1 second
kVp	120	120
mA		
Focal spot	Large	Large
CTDI (mGy)	46.5	7.55-40.4
Avg DLP (mGy*cm)	400	400

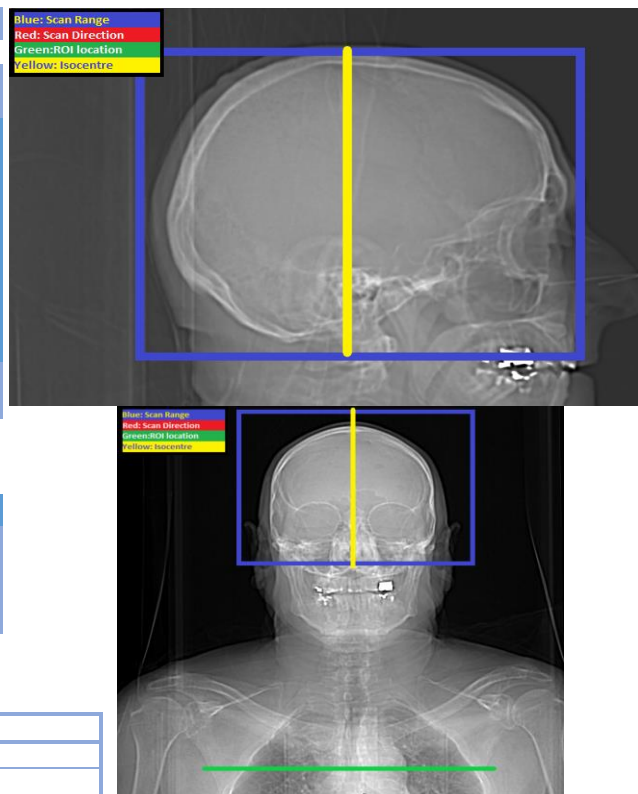
Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST
Scan Range/Direction	Base of Skull to vertex	Base of Skull to vertex
DFOV	25cm	25cm
Contrast volume and rate	n/a	65ml @ 5.0ml/sec
Scan Delay	n/a	SmartPrep on ascending aorta

Post Processing:

ALL COR/SAG RECONNED FROM .625MM VOLUME / 3D IMAGES RECONNED ON AW SERVER AUTOBONEXPRESS

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Head	Axial	Skull base	30%	STD	100/35	2.5/2.5mm	AHSPACS
Thin Non-Con Head	Axial	Skull base	30%	STD	100/35	.625/.625mm	AHSPACS
Non-Con Head	Coronal	⊥Corpus C	30%	STD	100/35	2.5/2.5mm	AHSPACS
Non-Con Head	Sagittal	Corpus C	30%	STD	100/35	2.5/2.5mm	AHSPACS
CTA COW	Axial	Skull base	30%	STD	100/35	2.5/2.5mm	AHSPACS
Thin CTA COW	Axial	Skull base	30%	STD	100/35	.625/.625mm	AHSPACS, AHS AW
CTA COW	Coronal	⊥Corpus C	30%	STD	100/35	2.5/2.5mm	AHSPACS
CTA COW	Sagittal	Corpus C	30%	STD	100/35	2.5/2.5mm	AHSPACS
CTA COW 3D MIP	Spin/tumble			STD		10°	AHSPACS
CTA COW 3D VR	Spin/tumble			STD		10°	AHSPACS



Indication	Stroke, Seizure
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Scanning Notes: When Scanning both HEAD and NECK the head should be reconnected alone from base of skull to vertex.
The neck can include the whole scan range

Parameters	Non-con Head	Non-con Neck	CTA Head & Neck
Isocenter	Slightly Ant. to EAM	Slightly Ant. to EAM	Slightly Ant. to EAM
SFOV	Adult Head (30cm)	Adult Body (50cm)	Adult Body (50cm)
Pitch	0(axial rotation on app. sc.	.516:1	.516:1
Beam Collimation	Wide / 160mm	80mm	80mm
Rotation speed	1 second	0.5	0.5
kVp	120	120	120
mA	250	80-550	80-550
Noise Index	n/a	4.5	5
Focal spot	Large	Large	Large
CTDI (mGy)	46.5	2.49-17.27	5.12-24.3
Avg DLP (mGy*cm)	575	350	514

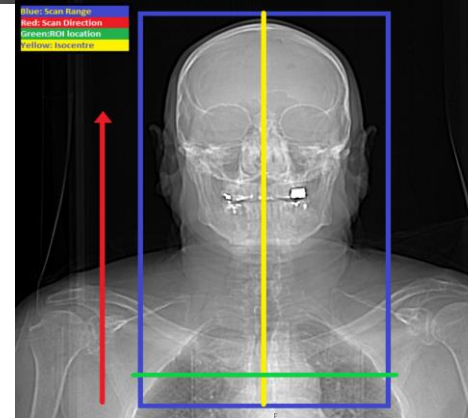
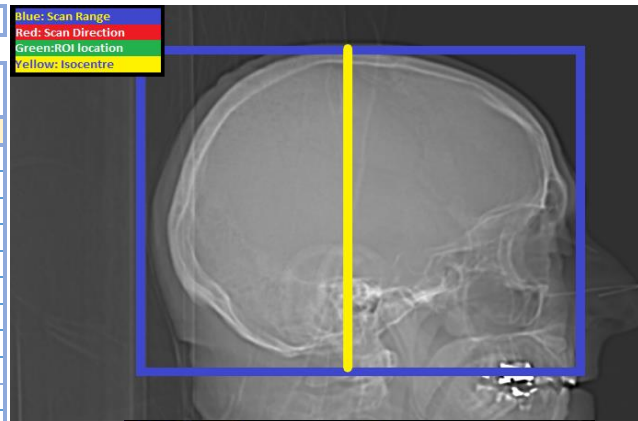
Scanning protocol:

Phase	Routine Head	Non-con Neck	POST-CONTRAST
Scan Range/Direction	Base of Skull to vertex	Arch to base of skull	Arch to vertex
DFOV	25cm	25cm	25cm
Contrast volume and rate	n/a	n/a	65ml @ 5.0ml/sec
Scan Delay	n/a	n/a	SmartPrep on ascending aort

Post Processing:

ALL COR/SAG RECONNED FROM .625MM VOLUME / 3D IMAGES RECONNED ON AW SERVER AUTOBONEXPRESS

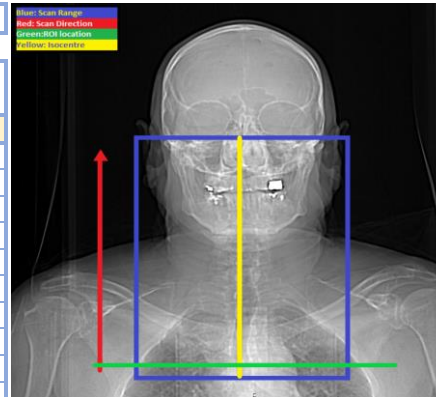
Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Head	Axial	⊥Table	30%	STD	100/35	2.5/2.5mm	AHSPACS
Thin Non-Con Head	Axial	⊥Table	30%	STD	100/35	.625/.625mm	AHSPACS
Non-Con Head	Coronal	⊥Corpus C	30%	STD	100/35	2.5/2.5mm	AHSPACS
Non-Con Head	Sagittal	∥ Corpus C	30%	STD	100/35	2.5/2.5mm	AHSPACS
Non-Con Neck	Axial	∥ Neck	50%	STD	100/35	5mm/5mm	AHSPACS
CTA COW	Axial	⊥Table	30%	STD	100/35	2.5/2.5mm	AHSPACS
Thin CTA COW	Axial	⊥Table	30%	STD	100/35	.625/.625mm	AHSPACS, AHS AW
CTA COW	Coronal	⊥Corpus C	30%	STD	100/35	2.5/2.5mm	AHSPACS
CTA COW	Sagittal	∥ Corpus C	30%	STD	100/35	2.5/2.5mm	AHSPACS
CTA COW 3D MIP	Spin/tumble		30%	STD		10°	AHSPACS
CTA COW 3D VR	Spin/tumble		30%	STD		10°	AHSPACS
CTA Neck	Axial	⊥Table	30%	STD	100/35	2.5/2.5mm	AHSPACS
Thin CTA Neck	Axial	⊥Table	30%	STD	100/35	.625/.625mm	AHSPACS, AHS AW
CTA Neck	Coronal	∥ Neck	30%	STD	100/35	2.5/2.5mm	AHSPACS
CTA Neck	Sagittal	∥ Neck	30%	STD	100/35	2.5/2.5mm	AHSPACS
CTA Neck 3D MIP	Spin		30%	STD		10°	AHSPACS
CTA Neck 3D VR	Spin		30%	STD		10°	AHSPACS



Indication	Cervical Fx
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Scanning Notes:

Parameters	Non-con Neck	CTA Head & Neck
Isocenter	Slightly Ant. to EAM	Slightly Ant. to EAM
SFOV	Adult Body (50cm)	Adult Body (50cm)
Pitch	.516:1	.516:1
Beam Collimation	80mm	80mm
Rotation speed	0.5	0.5
kVp	120	120
mA	80-550	80-550
Noise Index	4.5	5
Focal spot	Large	Large
CTDI (mGy)	5.12-24.3	5.12-24.3
Avg DLP (mGy*cm)	350	514


Scanning protocol:

Phase	Non-con Neck	POST-CONTRAST
Scan Range/Direction	Arch to base of skull	Arch to vertex
DFOV	25cm	25cm
Contrast volume and rate	n/a	65ml @ 5.0ml/sec
Scan Delay	n/a	SmartPrep on ascending aorta

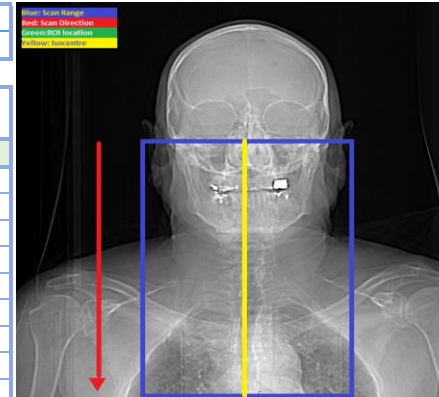
Post Processing:
ALL COR/SAG RECONNED FROM .625MM VOLUME / 3D IMAGES RECONNED ON AW SERVER AUTOBONEXPRESS

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Neck	Axial	Neck	50%	STD	100/35	5mm/5mm	AHSPACS
CTA Neck	Axial	⊥Table	30%	STD	100/35	2.5/2.5mm	AHSPACS
Thin CTA Neck	Axial	⊥Table	30%	STD	100/35	.625/.625mm	AHSPACS, AHS AW
CTA Neck	Coronal	Neck	30%	STD	100/35	2.5/2.5mm	AHSPACS
CTA Neck	Sagittal	Neck	30%	STD	100/35	2.5/2.5mm	AHSPACS
CTA Neck 3D MIP	Spin			STD		10°	AHSPACS
CTA Neck 3D VR	Spin			STD		10°	AHSPACS

Indication	Tracheal Trauma
Post contrast	Infection

Scanning Notes:

Parameters	NON-CONTRAST	30 second delay
Isocenter	Mid-Neck	Mid-Neck
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.516:1	.516:1
Beam Collimation	40mm	40mm
Rotation speed	0.5 second	0.5 second
kVp	120	120
mA	80-450	80-450
Noise Index	4.2	4.2
Focal spot	Large	Large
CTDI (mGy)	5.3-29.83	5.3-29.83
Avg DLP (mGy*cm)	125	125



Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Below Mandible to Above frontal sinus	Below Mandible to Above frontal sinus
DFOV	Skin to Skin	Skin to Skin
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec. delay

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Neck	Axial	⊥Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin Non-Con Neck	Axial	⊥Table	30%	DETAIL	400/40	.625/.625mm	AHSPACS
Non-Con Neck	Coronal	∥ Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Non-Con Neck	Sagittal	∥ Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin With 70 sec delay	Axial	⊥Table	30%	DETAIL	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	∥ Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	∥ Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS

Indication	Parathyroid dx
Post contrast	Infection

Scanning Notes:

Parameters	NON-CONTRAST	30 second delay	90 second delay
Isocenter	Mid-Neck	Mid-Neck	Mid-Neck
SFOV	Large Body (50cm)	Large Body (50cm)	Large Body (50cm)
Pitch	.984:1	.984:1	.984:1
Beam Collimation	40mm	40mm	40mm
Rotation speed	1 second	1 second	1 second
kVp	120	120	120
mA	80-400	80-400	80-400
Noise Index	8	8	8
Focal spot	Large	Large	Large
CTDI (mGy)	3.31-16.67	3.31-16.67	3.31-16.67
Avg DLP (mGy*cm)	125	125	125

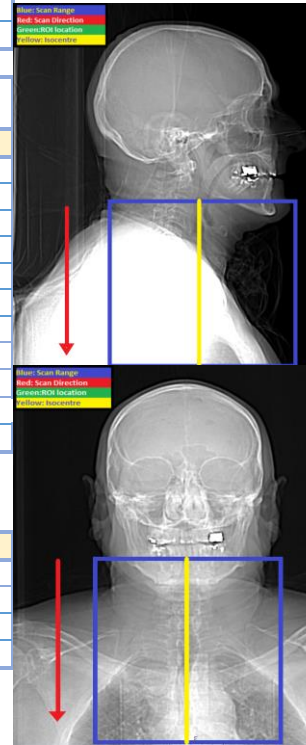
Scanning protocol:

Phase	NON-CONTRAST	30 second delay	90 second delay
Scan Range/Direction	Mandibular angle to Carina	Mandibular angle to Carina	Mandibular angle to Carina
DFOV	Skin to Skin	Skin to Skin	Skin to Skin
Contrast volume and rate	n/a	100 ml @ 3ml/sec	n/a
Scan Delay	n/a	30 sec. delay	90 sec. delay

Post Processing: Cor and Sag are only done on the 30 Second Delay and 90 second Delay

ALL IMAGES RECONNED FROM .625MM VOLUME

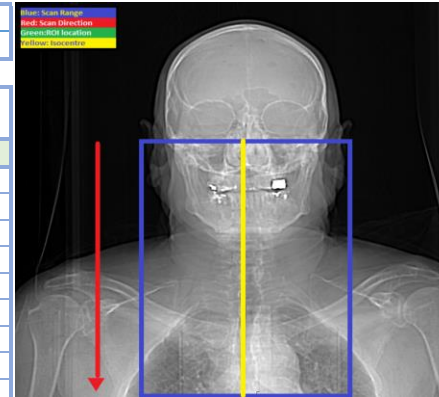
Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Neck	Axial	⊥Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
30 Second Delay	Axial	⊥Table	30%	DETAIL	400/41	2.5/2.5mm	AHSPACS
30 Second Delay Thin	Axial	⊥Table	30%	DETAIL	400/40	.625/.625mm	AHSPACS
30 Second Delay	Coronal	∥ Neck	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
30 Second Delay	Sagittal	∥ Neck	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
70 sec delay	Axial	⊥Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
70 sec delay Thin	Axial	⊥Table	30%	DETAIL	400/40	.625/.625mm	AHSPACS
70 sec delay	Coronal	∥ Neck	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
70 sec delay	Sagittal	∥ Neck	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS



Indication	Tracheal Trauma
Post contrast	Infection

Scanning Notes:

Parameters	NON-CONTRAST	60 second delay
Isocenter	Mid-Neck	Mid-Neck
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.516:1	.516:1
Beam Collimation	40mm	40mm
Rotation speed	0.5 second	0.5 second
kVp	120	120
mA	80-450	80-450
Noise Index	4.2	4.2
Focal spot	Large	Large
CTDI (mGy)	5.3-29.83	5.3-29.83
Avg DLP (mGy*cm)	125	125



Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 60 sec. Delay
Scan Range/Direction	Below Mandible to Above frontal sinus	Below Mandible to Above frontal sinus
DFOV	Skin to Skin	Skin to Skin
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	60 sec. delay

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Neck	Axial	┴Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin Non-Con Neck	Axial	┴Table	30%	DETAIL	400/40	.625/.625mm	AHSPACS
Non-Con Neck	Coronal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Non-Con Neck	Sagittal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 60 sec delay	Axial	┴Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin With 60 sec delay	Axial	┴Table	30%	DETAIL	400/40	.625/.625mm	AHSPACS
With 60 sec delay	Coronal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 60 sec delay	Sagittal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS

Indication	Trauma, near syncope, TIA, Stroke, Seizure
Pre and post contrast	Mets

Scanning Notes: CT Pituitary requires one additional recon .625/.625mm images from below the Sella Turcica to above the Hypothalamus, See Reference image

Parameters	Non-Con Head	5 min. Delay
Isocenter	Slightly Ant. to EAM	Slightly Ant. to EAM
SFOV	Head (30cm)	Head (30cm)
Pitch	0(axial rotation on app. scanner)	0(axial rotation on app. scanner)
Beam Collimation	SC:80mm-160mm	SC:80mm-160mm
Rotation speed	1 second	1 second
kVp	120	120
mA	310	310
CTDI (mGy)	46.5	46.5
Avg DLP (mGy*cm)	700	1400

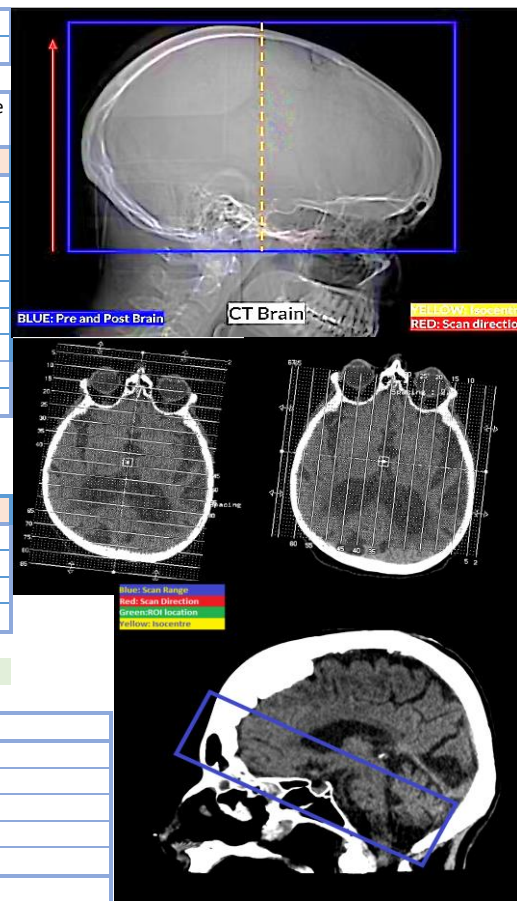
Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 5 min. Delay
Scan Range/Direction	Base of Skull to vertex	Base of Skull to vertex
DFOV	25cm	25cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	5 minute delay

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Head	Axial	palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
Thin Non-Con Head	Axial	palate	30%	STD	100/35	.625/.625mm	
Non-Con Head	Coronal	⊥palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
Non-Con Head	Sagittal	septum	30%	STD	100/35	2.5/2.5mm	AHSPACS
Pituitary Gland	Axial	SkullBase	30%	STD	100/35	.625/.625mm	AHSPACS
With 5 min delay	Axial	palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
Thin 5 min Delay Head	Axial	palate	30%	STD	100/35	.625/.625mm	
With 5 min delay	Coronal	⊥palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
With 5 min delay	Sagittal	septum	30%	STD	100/35	2.5/2.5mm	AHSPACS
Pituitary Gland	Axial	SkullBase	30%	STD	100/35	.625/.625mm	AHSPACS



Indication	Trauma
Post contrast	Infection

Scanning Notes:

Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Mid Neck	Mid Neck
SFOV	Adult Body (50cm)	Adult Body (50cm)
Pitch	.984:1	.984:1
Beam Collimation	40mm	40mm
Rotation speed	0.8	0.8
kVp	120	120
mA	80-600	80-600
Noise Index	6	6
CTDI (mGy)	4.08-31.12	4.08-31.12
Avg DLP (mGy*cm)	350	350

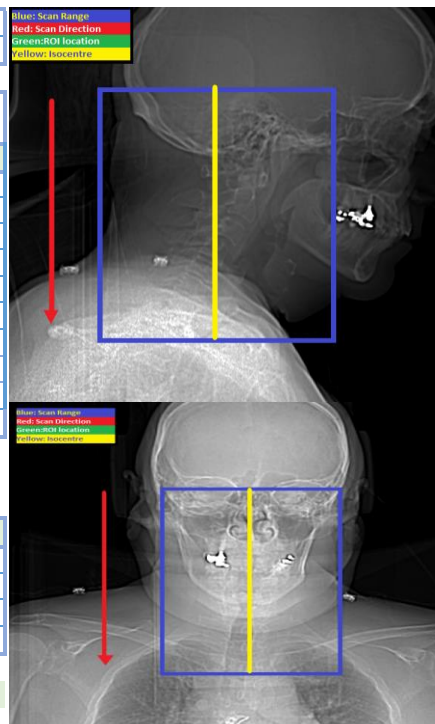
Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Base of Skull to T-3	Base of Skull to T-3
DFOV	15cm	15cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec. delay

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con C-Spine	Axial	⊥Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin Non-Con C-Spine	Axial	⊥Table	30%	DETAIL	400/40	.625/.625mm	AHSPACS
Non-Con C-Spine	Coronal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Non-Con C-Spine	Sagittal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin With 70 sec delay	Axial	⊥Table	30%	DETAIL	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS



Indication	Trauma
Post contrast	Infection

Scanning Notes: When scanning both a T-spine and L-spine together both exam folders should have the same images. T and L spine are to be scanned/reconned into one group from above T1 to below S1 joints

Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Lower 1/3 of Body	Lower 1/3 of Body
SFOV	Adult Body (50cm)	Adult Body (50cm)
Pitch	.508:1	.508:1
Beam Collimation	80mm	80mm
Rotation speed	0.5	0.5
kVp	140	140
mA	80-560	80-560
Noise Index	13	13
CTDI (mGy)	7.76-54.48	7.76-54.48
Avg DLP (mGy*cm)	175	175

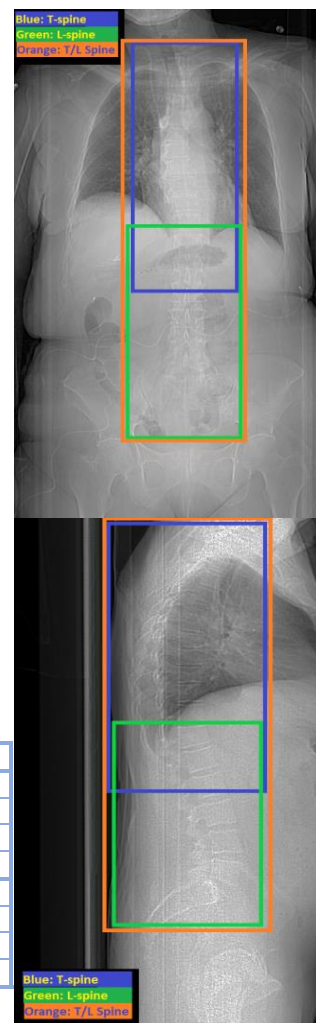
Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	C12-L1	C12-L1
DFOV	15cm	15cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec. delay

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con T-spine	Axial	⊥Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin Non-Con T-spine	Axial	⊥Table	30%	DETAIL	400/40	.625/.625mm	AHSPACS
Non-Con T-spine	Coronal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Non-Con T-spine	Sagittal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin With 70 sec delay	Axial	⊥Table	30%	DETAIL	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS



Indication	Trauma
Post contrast	Infection

Scanning Notes: When scanning both a T-spine and L-spine together both exam folders should have the same images. T and L spine are to be scanned/reconned into one group from above T1 to Below SI joints

Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Lower 1/3 of Body	Lower 1/3 of Body
SFOV	Adult Body (50cm)	Adult Body (50cm)
Pitch	.508:1	.516:2
Beam Collimation	80mm	80mm
Rotation speed	0.5	0.5
kVp	140	140
mA	80-560	80-560
Noise Index	13	13
CTDI (mGy)	7.76-54.44	7.76-54.44
Avg DLP (mGy*cm)	175	175

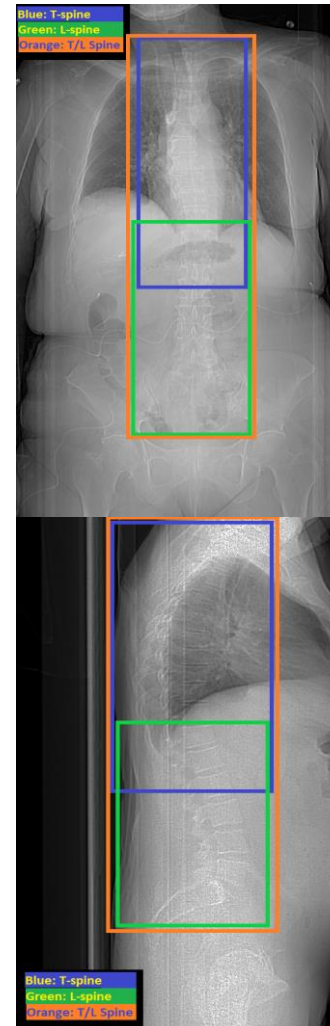
Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	T12 to Below SI Joints	T12 to Below SI Joints
DFOV	15cm	15cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec. delay

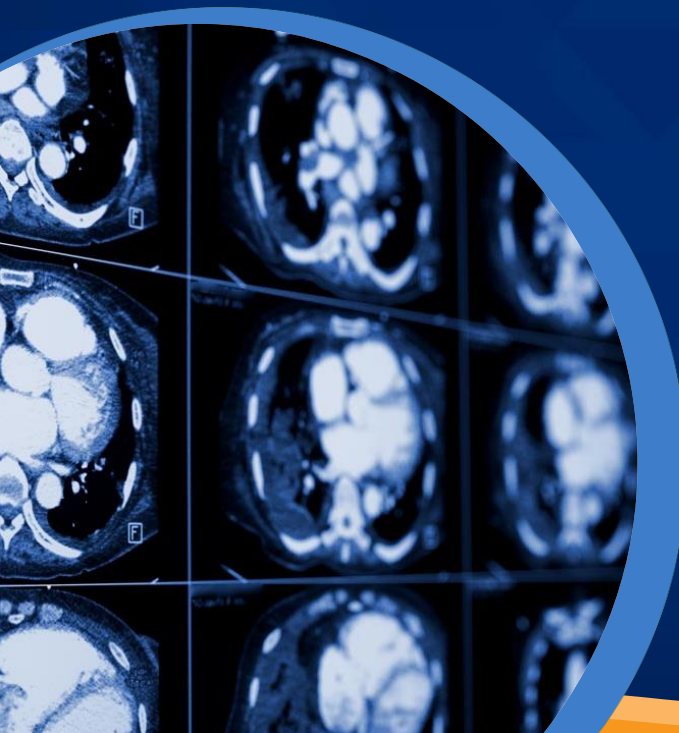
Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con T-spine	Axial	⊥Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin Non-Con T-spine	Axial	⊥Table	30%	DETAIL	400/40	.625/.625mm	AHSPACS
Non-Con T-spine	Coronal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Non-Con T-spine	Sagittal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin With 70 sec delay	Axial	⊥Table	30%	DETAIL	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS



Body



Indication	MVA, Fall
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Scanning Notes: 3 min pelvis delay is for MMC only at this time.

Parameters	POST-CONTRAST 50 Sec. Delay
Isocenter	Mid Body
SFOV	Large Body (50cm)
Pitch	.516:2
Beam Collimation	80mm
Rotation speed	0.5
kVp	120
Noise Index	13
mA	80-650
CTDI (mGy)	2.73-22.21
Avg DLP (mGy*cm)	500

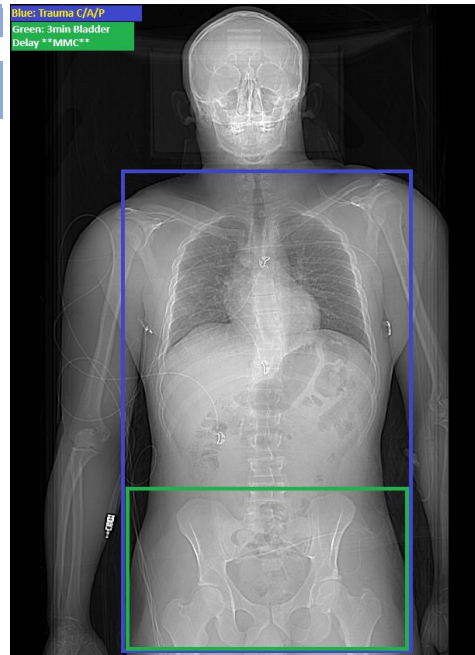
Scanning protocol:

Phase	POST-CONTRAST 50 Sec. Delay
Scan Range/Direction	Above Apices to Mid-pole Kidneys
DFOV	35cm Muscle to Muscle
Contrast volume and rate	50 ml @ 2ml/sec
Scan Delay	50 sec. C/A/P

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONED FROM .625MM VOLUME

Phase	Region	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.	Acc Folder to split	
50 sec. C/A/P	C/A/P	Axial	⊥Table	40%	STD	400/40	2.5/2.5mm	AHSPACS	Chest exam	
50 Sec.	Chest	Axial	⊥Table	40%	STD	400/40	2.5/2.5mm	AHSPACS	Chest exam	
50 Sec. Thins	Chest	Axial	⊥Table	40%	STD	400/40	.625/.625mm		Chest exam	
50 Sec.	Chest	Coronal	Body	40%	STD	400/40	2.5/2.5mm	AHSPACS	Chest exam	
50 Sec.	Chest	Sagittal	Body	40%	STD	400/40	2.5/2.5mm	AHSPACS	Chest exam	
50 Sec. Lung	Chest	Axial	⊥Table	40%	Lung	2000/-700	2.5/2.5mm	AHSPACS	Chest exam	
50 Sec.	Abd/Pel	Axial	⊥Table	40%	STD	400/40	2.5/2.5mm	AHSPACS	Abd/Pel exam	MMC ONLY No 50s Pelvis unless requested by Trauma
50 Sec. Thins	Abd/Pel	Axial	⊥Table	40%	STD	400/40	.625/.625mm		Abd/Pel exam	MMC ONLY No 50s Pelvis unless requested by Trauma
50 Sec.	Abd/Pel	Coronal	Body	40%	STD	400/40	2.5/2.5mm	AHSPACS	Abd/Pel exam	MMC ONLY No 50s Pelvis unless requested by Trauma
50 Sec.	Abd/Pel	Sagittal	Body	40%	STD	400/40	2.5/2.5mm	AHSPACS	Abd/Pel exam	MMC ONLY No 50s Pelvis unless requested by Trauma
3 min delay	Pelvis only	Axial	⊥Table	40%	STD	400/40	2.5/2.5mm	AHSPACS	Abd/Pel exam	MMC ONLY
3 min delay Thins	Pelvis only	Axial	⊥Table	40%	STD	400/40	.625/.625		Abd/Pel exam	MMC ONLY
3 min delay	Pelvis only	Coronal	Body	40%	STD	400/40	2.5/2.5mm	AHSPACS	Abd/Pel exam	MMC ONLY
3 min delay	Pelvis only	Sagittal	Body	40%	STD	400/40	2.5/2.5mm	AHSPACS	Abd/Pel exam	MMC ONLY
5 min kidneys at req.	Kid. ONLY	Axial	⊥Table	40%	STD	400/40	2.5/2.5mm	AHSPACS	Abd/Pel exam	
5 min kidneys at req.	Kid. ONLY	Axial	⊥Table	40%	STD	400/40	.625/.625mm		Abd/Pel exam	
5 min kidneys at req.	Kid. ONLY	Coronal	Body	40%	STD	400/40	2.5/2.5mm	AHSPACS	Abd/Pel exam	
5 min kidneys at req.	Kid. ONLY	Sagittal	Body	40%	STD	400/40	2.5/2.5mm	AHSPACS	Abd/Pel exam	



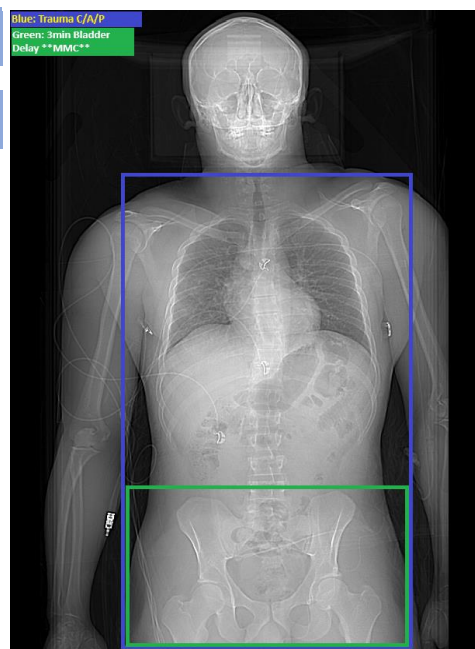
Indication	SOB
Post Contrast	Mets

Scanning Notes: 3 min pelvis delay is for MMC only at this time.

Parameters	POST-CONTRAST 60 Sec. Delay
Isocenter	Mid Body
SFOV	Large Body (50cm)
Pitch	.516:2
Beam Collimation	80mm
Rotation speed	0.5
kVp	120
Noise Index	13
mA	80-650
CTDI (mGy)	2.73-22.21
Avg DLP (mGy*cm)	500

Scanning protocol:

Phase	POST-CONTRAST 60 Sec. Delay
Scan Range/Direction	Above Apices to Mid-pole Kidneys
DFOV	35cm Muscle to Muscle
Contrast volume and rate	50 ml @ 2ml/sec
Scan Delay	60 Sec. C/A/P



Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

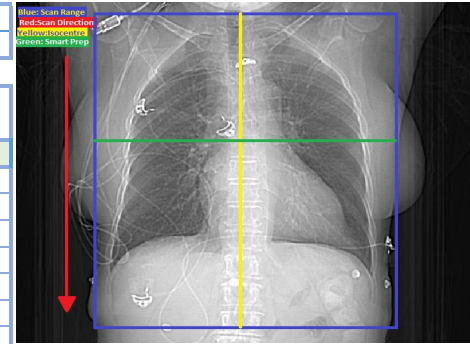
ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Region	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.	Acc Folder to split
60 Sec. C/A/P	C/A/P	Axial	⊥Table	40%	STD	400/40	3.75/3.75mm	AHSPACS	Chest exam
60 Sec.	Chest	Axial	⊥Table	40%	STD	400/40	3.75/3.75mm	AHSPACS	Chest exam
60 Sec. Thins	Chest	Axial	⊥Table	40%	STD	400/40	.625/.625mm		Chest exam
60 Sec.	Chest	Coronal	Body	40%	STD	400/40	3.75/3.75mm	AHSPACS	Chest exam
60 Sec.	Chest	Sagittal	Body	40%	STD	400/40	3.75/3.75mm	AHSPACS	Chest exam
60 Sec. Lung	Chest	Axial	⊥Table	40%	Lung	2000/-700	1.25/1.25mm	AHSPACS	Chest exam
60 Sec. Lung MIP	Chest	Axial/MIPs	⊥Table	40%	Lung	2000/-700	8mm/3mm	AHSPACS	Chest exam
60 Sec.	Abd/Pel	Axial	⊥Table	40%	STD	400/40	3.75/3.75mm	AHSPACS	Abd/Pel exam
60 Sec. Thins	Abd/Pel	Axial	⊥Table	40%	STD	400/40	3.75/3.75mm		Abd/Pel exam
60 Sec.	Abd/Pel	Coronal	Body	40%	STD	400/40	.625/.625mm	AHSPACS	Abd/Pel exam
60 Sec.	Abd/Pel	Sagittal	Body	40%	STD	400/40	3.75/3.75mm	AHSPACS	Abd/Pel exam

Indication	SOB (Routine Chest should be used when HiRes protocol is called for)
Post Contrast	Mets

Scanning Notes:

Parameters	NON-CONTRAST	POST-CONTRAST 60 Sec. Delay
Isocenter	Mid Body	Mid Body
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.992:1	.516:2
Beam Collimation	80mm	80mm
Rotation speed	0.5	0.5
kVp	120	120
Noise Index	13	13
mA	80-650	80-650
CTDI (mGy)	2.73-22.21	2.73-22.21
Avg DLP (mGy*cm)	500	500



Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 60 Sec. Delay	Optional Insp. Exp.
Scan Range/Direction	Above Apices to Mid-pole Kidneys	Above Apices to Mid-pole Kidneys	Above Apices to Mid-pole Kidneys
DFOV	35cm Muscle to Muscle	35cm Muscle to Muscle	Inspiration scanned Prone
Contrast volume and rate	n/a	50 ml @ 2ml/sec	Expiration scanned Supine
Scan Delay	n/a	60 sec	

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.	
Non-Con Chest	Axial	⊥Table	40%	STD	400/40	3.75/3.75mm	AHSPACS	
Non-Con Chest Thins	Axial	⊥Table	40%	STD	400/40	.625/.625mm		
Non-Con Chest	Coronal	Body	40%	STD	400/40	3.75/3.75mm	AHSPACS	
Non-Con Chest	Sagittal	Body	40%	STD	400/40	3.75/3.75mm	AHSPACS	
Non-Con Chest	Axial	⊥Table	40%	Lung	2000/-700	1.25/1.25mm	AHSPACS	
Non-Con Chest MIPs	Axial/MIPs	⊥Table	40%	Lung	2000/-700	8mm/3mm	AHSPACS	
Zephyr/ION Protocol	Axial	⊥Table	40%	Lung	2000/-700	.625/.625mm	AHSPACS	As Requested only
60 Sec. Chest	Axial	⊥Table	40%	STD	400/40	3.75/3.75mm	AHSPACS	
60 Sec. Chest Thins	Axial	⊥Table	40%	STD	400/40	.625/.625mm		
60 Sec. Chest	Coronal	Body	40%	STD	400/40	3.75/3.75mm	AHSPACS	
60 Sec. Chest	Sagittal	Body	40%	STD	400/40	3.75/3.75mm	AHSPACS	
60 Sec. Chest Lung	Axial	⊥Table	40%	Lung	2000/-700	1.25/1.25mm	AHSPACS	
60 Sec. Chest Lung MIP	Axial/MIPs	⊥Table	40%	Lung MIP	2000/-700	8mm/3mm	AHSPACS	
Zephyr/ION Protocol	Axial	⊥Table	40%	Lung	2000/-700	.625/.625mm	AHSPACS	As Requested only
Insp. Exp.	Axial	⊥Table	40%	Lung	2000/-700	5mm/5mm	AHSPACS	

Indication	Pulmonary Embolus
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Scanning Notes: PE studies should have contrast as dense as possible. Shrinking the ROI, too small for Smart Prep may result in false trigger from streak artifact. 3D images required for all PE studies.

Parameters	Pulmonary Art. Phase
Isocenter	Mid Body
SFOV	Large Body (50cm)
Pitch	.992:1
Beam Collimation	SC:40mm-160mm
Rotation speed	0.35
kVp	100
mA	100-1080
Noise Index	12
Focal spot	Large
CTDI (mGy)	1.48-16.02
Avg DLP (mGy*cm)	350

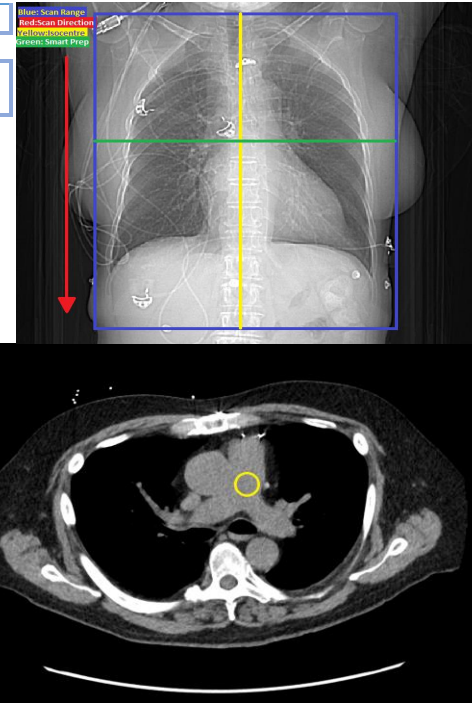
Scanning protocol:

Phase	Pulmonary Art. Phase
Scan Range/Direction	Apices to Mid-Kidney
DFOV	40cm
Contrast volume and rate	Omni 350 100ml@4.0cc/s
Scan Delay	SmartPrep on Pulmonary Artery

Post Processing:

ALL COR/SAG RECONNED FROM .625MM VOLUME / 3D IMAGES RECONNED ON AW SERVER AUTOBONEXPRESS

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Pulmonary Art. Phase	Axial	⊥ Table	50%	LUNG	2000/-700	2.5/2.5mm	AHSPACS
Pulmonary Art. Phase	Axial	⊥ Table	50%	STD	400/40	2.5/2.5mm	AHSPACS
Pulmonary Art. Phase	Axial	⊥ Table	50%	STD	400/40	.625/.625mm	AHSAW
Pulmonary Art. Phase	Axial	⊥ Table	50%	STD	400/40	1.25/1.25mm	AHSPACS
Pulmonary Art. Phase	Coronal	∥ Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS
Pulmonary Art. Phase	Sagittal	∥ Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS
Pulmonary Art. Phase MIP	Axial MIPs	⊥ Table	50%	STD/MIP	400/40	8mm/3mm	AHSPACS
CTA Chest 3D MIP	Spin			STD		10°	AHSPACS
CTA Chest 3D VR	Spin			STD		10°	AHSPACS



Indication	Dissection
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Scanning Notes: Dissection cases require the use of gating, in order to best visualize the Aortic Root with as little motion as reasonable.

Parameters	Non-con Chest	Arterial Phase
Isocenter	Mid Body	Mid Body
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.516:1	Axial
Beam Collimation	80mm	SC:40mm-160mm
Rotation speed	0.5	0.35
kVp	120	100
mA	80-625	100-1080
Noise Index	12.3	13.4
Focal spot	Large	Large
CTDI (mGy)	2.73-21.36	1.38-12.77
Avg DLP (mGy*cm)	350	350

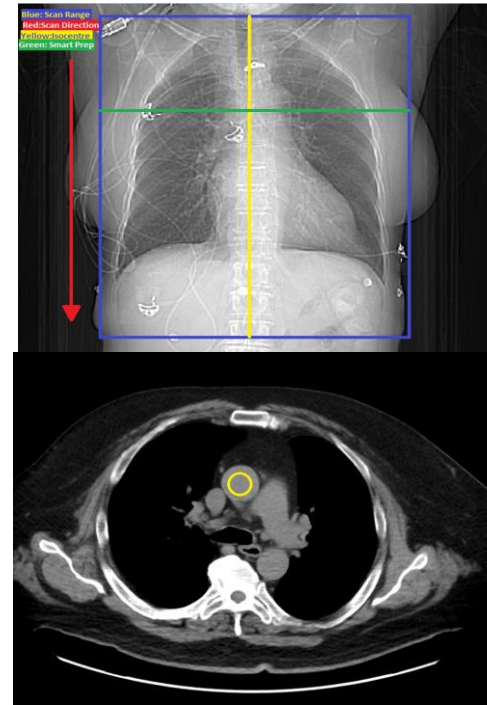
Scanning protocol:

Phase	Non-con Chest	Arterial Phase
Scan Range/Direction	Apices to Mid-Kidney	Apices to Mid-Kidney
DFOV	40cm	40cm
Contrast volume and rate	n/a	Omni 350 100ml@4.0cc/s
Scan Delay	n/a	SmartPrep Ascending Aorta

Post Processing:

ALL COR/SAG RECONNED FROM .625MM VOLUME / 3D IMAGES RECONNED ON AW SERVER AUTOBONEXPRESS

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Chest	Axial	⊥ Table	50%	STD	400/40	2.5/2.5mm	AHSPACS
Arterial Chest	Axial	⊥ Table	50%	STD	400/40	1.25/1.25mm	AHSPACS
Arterial Chest	Axial	⊥ Table	50%	STD	400/40	.625/.625mm	AHSAW
Arterial Chest	Coronal	∥ Chest	50%	STD	400/40	1.25/1.25mm	AHSPACS
Arterial Chest	Sagittal	∥ Chest	50%	STD	400/40	1.25/1.25mm	AHSPACS
Arterial Chest	Axial	⊥ Table	50%	STD	400/40	2.5/2.5mm	AHSPACS
Arterial Chest MIP	Axial/MIPs	⊥ Table	50%	LUNG MIP	2000/-700	8mm/3mm	AHSPACS
CTA Chest 3D MIP	Spin			STD		10°	AHSPACS
CTA Chest 3D VR	Spin			STD		10°	AHSPACS



Indication	Pre-Ablation, AFib
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Scanning Notes: **AFib Studies are to be timed with SmartPrep on the Left atrium**

Parameters	Left Atrium Phase
Isocenter	Mid Body
SFOV	Large Body (50cm)
Pitch	.992:1
Beam Collimation	80mm
Rotation speed	0.5
kVp	100
mA	100-1080
Noise Index	22.5
Focal spot	Large
CTDI (mGy)	2.12-22.84
Avg DLP (mGy*cm)	350

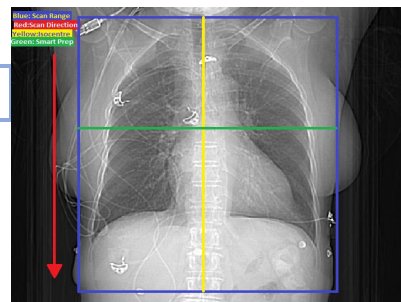
Scanning protocol:

Phase	Left Atrium Phase
Scan Range/Direction	Apices to Mid-Kidney
DFOV	40cm
Contrast volume and rate	Omni 350 100ml@4.0cc/s
Scan Delay	SmartPrep on Left Atrium

Post Processing:

ALL COR/SAG RECONNED FROM .625MM VOLUME / 3D IMAGES RECONNED ON AW SERVER AUTOBONEXPRESS

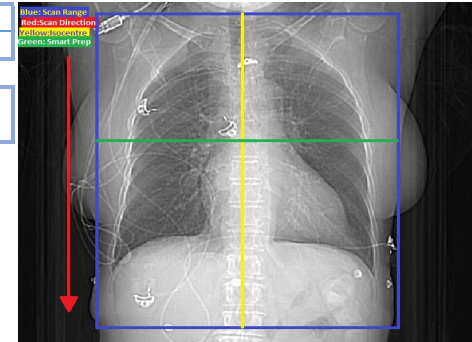
Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Arterial Chest	Axial	⊥ Table	40%	LUNG	2000/-700	2.5/2.5mm	AHSPACS
Arterial Chest	Axial	⊥ Table	40%	STD	400/40	2.5/2.5mm	AHSPACS
Arterial Chest	Axial	⊥ Table	40%	STD	400/40	.625/.625mm	AHSAW
Arterial Chest	Axial	⊥ Table	40%	STD	400/40	1mm/1mm	AHSPACS
Arterial Chest	Coronal	∥ Chest	40%	STD	400/40	2.5/2.5mm	AHSPACS
Arterial Chest	Sagittal	∥ Chest	40%	STD/MIP	400/40	8mm/3mm	AHSPACS
CTA Chest 3D MIP	Spin			STD		10°	AHSPACS
CTA Chest 3D VR	Spin			STD		10°	AHSPACS



Indication	SOB
Post Contrast	Mets

Scanning Notes: When Possible it is preferable to have the IV placed in the LEFT arm.

Parameters	POST-CONTRAST 60 Sec. Delay
Isocenter	Mid Body
SFOV	Large Body (50cm)
Pitch	.516:2
Beam Collimation	80mm
Rotation speed	0.5
kVp	120
Noise Index	13
mA	80-650
CTDI (mGy)	2.73-22.21
Avg DLP (mGy*cm)	500



Scanning protocol:

Phase	POST-CONTRAST 60 Sec. Delay
Scan Range/Direction	Above Apices to Mid-pole Kidneys
DFOV	35cm Muscle to Muscle
Contrast volume and rate	50 ml @ 2ml/sec
Scan Delay	60 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

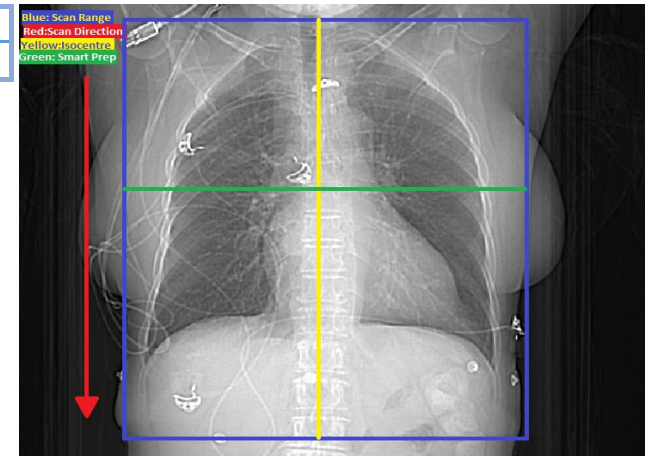
ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
60 Sec. Chest	Axial	⊥ Table	50%	STD	400/40	2.5/2.5mm	AHSPACS
60 Sec. Chest	Axial	⊥ Table	50%	STD	400/40	1.25/1.25mm	AHSPACS
60 Sec. Chest Lung	Axial	⊥ Table	50%	LUNG	2000/-700	2.5/2.5mm	AHSPACS
60 Sec. Chest Thins	Axial	⊥ Table	50%	STD	400/40	.625/.625mm	
60 Sec. Chest Lung MIP	Axial/MIPs	⊥ Table	40%	Lung MIP	2000/-700	8mm/3mm	AHSPACS
60 Sec. Chest	Coronal	∥ Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS
60 Sec. Chest	Sagittal	∥ Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS

Indication	
Post Contrast	Mets

Scanning Notes: Images reconned from exams such as cardiac for a radiologist over read

Parameters	POST-CONTRAST 60 Sec. Delay
Isocenter	Mid Body
SFOV	Large Body (50cm)
Pitch	.516:2
Beam Collimation	80mm
Rotation speed	0.5
kVp	120
Noise Index	13
mA	80-650
CTDI (mGy)	2.73-22.21
Avg DLP (mGy*cm)	500



Scanning protocol:

Phase	Delay From Cardiac exam
Scan Range/Direction	Above Apices to Mid-pole Kidneys
DFOV	35cm Muscle to Muscle
Contrast volume and rate	50 ml @ 2ml/sec
Scan Delay	60 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

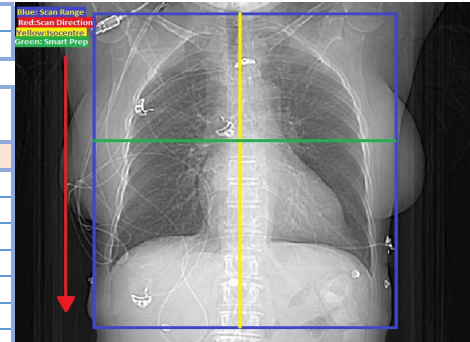
ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Delay From Cardiac exam	Axial	⊥ Table	40%	STD	400/40	3.75/3.75mm	AHSPACS
Delay From Cardiac exam	Axial	⊥ Table	40%	STD	400/40	.625/.625mm	
Delay From Cardiac exam	Coronal	∥ Body	40%	STD	400/40	3.75/3.75mm	AHSPACS
Delay From Cardiac exam	Sagittal	∥ Body	40%	STD	400/40	3.75/3.75mm	AHSPACS
Delay From Cardiac exam	Axial	⊥ Table	40%	Lung	2000/-700	1.25/1.25mm	AHSPACS
Delay From Cardiac exam	Axial/MIPs	⊥ Table	40%	Lung MIP	2000/-700	8mm/3mm	AHSPACS

Indication	SOB
Post Contrast	Mets

Scanning Notes:

Parameters	0-149 lbs	150-224lbs	225lbs and up
Isocenter	Mid Body	Mid Body	Mid Body
SFOV	Large Body (50cm)	Large Body (50cm)	Large Body (50cm)
Pitch	.984:1	.984:1	.984:1
Beam Collimation	40mm	40mm	40mm
Rotation speed	0.35	0.35	0.35
kVp	120	120	120
Noise Index	n/a	n/a	n/a
mA	60	80	100
CTDI (mGy)	1.46	1.94	2.43
Avg DLP (mGy*cm)	50.94	67.91	84.89



Scanning protocol:

Phase	0-149 lbs	150-224lbs	225lbs and up
Scan Range/Direction	Apices to Kidneys	Apices to Kidneys	Apices to Kidneys
DFOV	Large Body (50cm)	Large Body (50cm)	Large Body (50cm)
Contrast volume and rate	.984:1	.984:1	.984:1
Scan Delay	n/a	n/a	n/a

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Chest	Axial	└Table	30%	STD	400/40	3.75/3.75mm	AHSPACS
Non-Con Chest	Axial	└Table	30%	Lung	2000/-700	1.25/1.25mm	AHSPACS
Non-Con Chest Thins	Axial	└Table	30%	STD	400/40	.625/.625mm	
Non-Con Chest	Coronal	┐Body	30%	STD	400/40	3.75/3.75mm	AHSPACS
Non-Con Chest	Sagittal	┐Body	30%	STD	400/40	3.75/3.75mm	AHSPACS
Non-Con Chest MIPs	Axial/MIPs	└Table	30%	Lung	2000/-700	8mm/3mm	AHSPACS

Indication	Pre-op TAVR
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Scanning Notes: Non-Con TAVR studies require 2 cardiac scans. No TAVR Charge for non-con, as there are no coronary arteries visualized. Genrally there is not a neck with non-con

Parameters	Calcium Scoring	Coronary	CT Neck, Chest, ABD/PEL
Isocenter	Slight	Mid Body	Mid Body
SFOV	Adult Cardiac	Adult Cardiac	Large Body
Pitch	Axial	Axial	.992:1
Beam Collimation	160mm	160mm	80mm
Rotation speed	0.28	0.28	0.28
kVp	120	100	100
mA	50-620	100-1080	100-1080
Noise Index	20	21.6	11.3
Focal spot	Large	Large	Large
CTDI (mGy)	4.47-47.76	4.47-47.76	1.18-12.82
Avg DLP (mGy*cm)	350	350	350

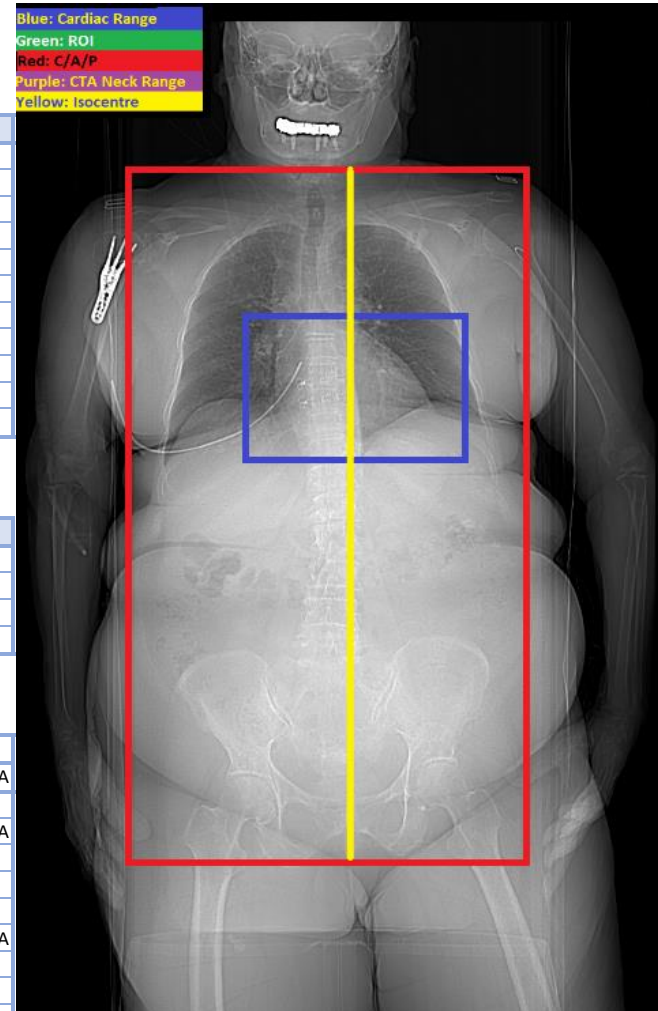
Scanning protocol:

Phase	Calcium Scoring	Coronary Arteries	CT Neck, Chest, ABD/PEL
Scan Range/Direction/Recon Range	Axial S>I	Axial S>I	Inf.Orb.Rim>Ish. Tub
DFOV	25cm	25cm	50cm
Contrast volume and rate	n/a	n/a	n/a
Scan Delay	n/a	n/a	n/a

Post Processing:

ALL COR/SAG RECONNED FROM .625MM VOLUME / 3D IMAGES RECONNED ON AW SERVER AUTOBONEXPRESS

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Calcium Scoring	Axial	⊥ Table	50%	STD	400/40	.625/.625mm	AHSPACS, AHS AW, TERA
C/A/P Abd/pel folder	Axial	⊥ Table	50%	STD	400/40	2.5/2.5mm	AHSPACS
C/A/P Abd/pel folder	Axial	⊥ Table	50%	STD	400/40	.625/.625mm	AHSPACS, AHS AW, TERA
C/A/P Abd/pel folder	Coronal	Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS
C/A/P Abd/pel folder	Sagittal	Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS
C/A/P Chest folder	Axial	⊥ Table	50%	STD	400/40	2.5/2.5mm	AHSPACS
C/A/P Chest folder	Axial	⊥ Table	50%	STD	400/40	.625/.625mm	AHSPACS, AHS AW, TERA
C/A/P Chest folder	Coronal	Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS
C/A/P Chest folder	Sagittal	Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS
Chest Lung Chest folder	Axial	⊥ Table	50%	Lung/MIP	2000/-700	1.25/1.25mm	AHSPACS
Chest Lung Chest folder	Axial	⊥ Table	50%	Lung/MIP	2000/-700	8mm/3mm	AHSPACS
CT Neck	Axial	⊥ Table	50%	STD	400/40	1mm/1mm	AHSPACS
CT Neck	Axial	⊥ Table	50%	STD	400/40	1mm/1mm	AHSPACS
CT Neck	Coronal	Neck	50%	STD	400/40	2.5/2.5mm	AHSPACS
CT Neck	Sagittal	Neck	50%	STD	400/40	2.5/2.5mm	AHSPACS



Indication	Pre-op TAVR
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Scanning Notes: TAVR Studies, Timed off of the Asc. Aorta. There are 3 scans, Calcium scoring for planning and diagnosis, Coronary arteries, and immediately following an arterial phase Neck, Chest, ABD/PEL

Parameters	Calcium Scoring	Coronary	CTA Neck, Chest, ABD/PEL
Isocenter	Slight	Mid Body	Mid Body
SFOV	Adult Cardiac	Adult Cardiac	Large Body (50cm)
Pitch	Axial	Axial	.992:1
Beam Collimation	160mm	160mm	80mm
Rotation speed	0.28	0.28	0.28
kVp	120	100	100
mA	50-620	100-1080	100-1080
Noise Index	20	21.6	11.3
Focal spot	Large	Large	Large
CTDI (mGy)	4.47-47.76	4.47-47.76	1.18-12.82
Avg DLP (mGy*cm)	350	350	350

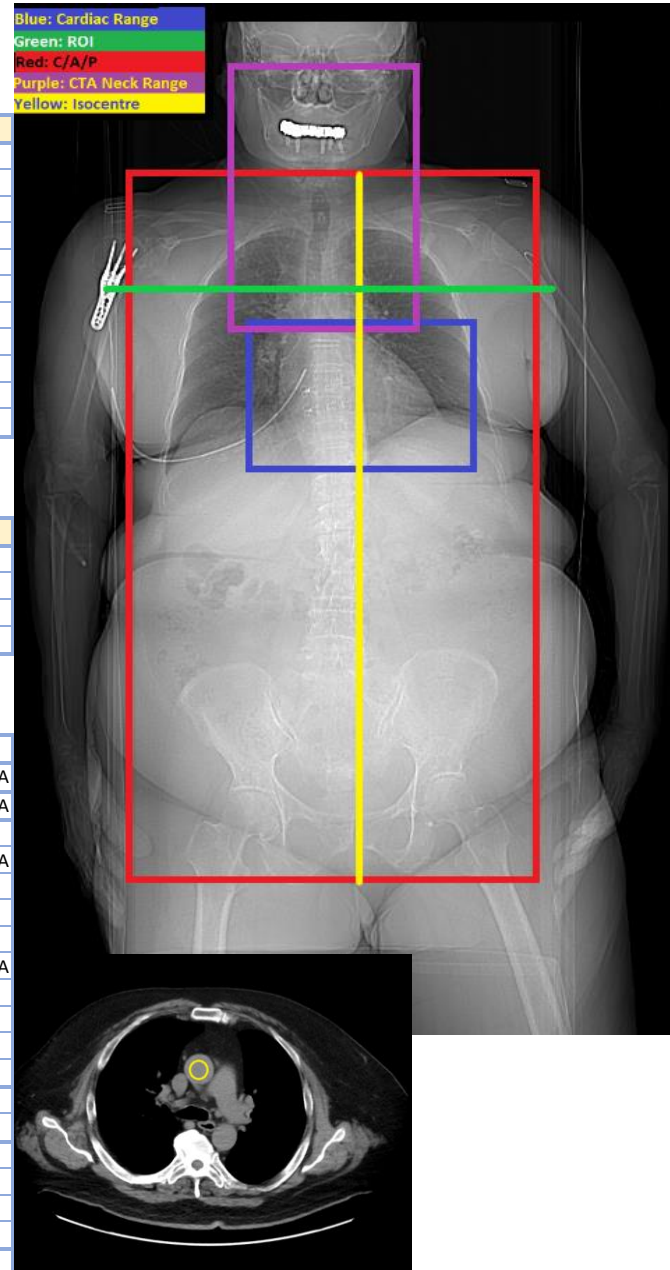
Scanning protocol:

Phase	Calcium Scoring	Coronary Arteries	CTA Neck, Chest, ABD/PEL
Scan Range/Direction/Recon Range	Axial S>I	Axial S>I	Inf.Orb.Rim>Ish. Tub
DFOV	25cm	25cm	50cm
Contrast volume and rate	n/a	Omni 350 100ml@4.0cc/s	n/a
Scan Delay	n/a	SmartPrep on Asc. Aorta	n/a

Post Processing:

ALL COR/SAG RECONNED FROM .625MM VOLUME / 3D IMAGES RECONNED ON AW SERVER AUTOBONEXPRESS

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Calcium Scoring	Axial	⊥ Table	50%	STD	400/40	.625/.625mm	AHSPACS, AHS AW, TERA
Coronary ART. Full Beat	Axial	⊥ Table	50%	STD	400/40	.625/.625mm	AHSPACS, AHS AW, TERA
C/A/P Abd/pel folder	Axial	⊥ Table	50%	STD	400/40	2.5/2.5mm	AHSPACS
C/A/P Abd/pel folder	Axial	⊥ Table	50%	STD	400/40	.625/.625mm	AHSPACS, AHS AW, TERA
C/A/P Abd/pel folder	Coronal	∥ Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS
C/A/P Abd/pel folder	Sagittal	∥ Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS
C/A/P Chest folder	Axial	⊥ Table	50%	STD	400/40	2.5/2.5mm	AHSPACS
C/A/P Chest folder	Axial	⊥ Table	50%	STD	400/40	.625/.625mm	AHSPACS, AHS AW, TERA
C/A/P Chest folder	Coronal	∥ Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS
C/A/P Chest folder	Sagittal	∥ Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS
Chest Lung Chest folder	Axial	⊥ Table	50%	Lung/MIP	2000/-700	1.25/1.25mm	AHSPACS
Chest Lung Chest folder	Axial	⊥ Table	50%	Lung/MIP	2000/-700	8mm/3mm	AHSPACS
CTA C/A/P 3D MIP	Spin			STD		10°	AHSPACS
CTA C/A/P 3D VR	Spin			STD		10°	AHSPACS
CTA Neck	Axial	⊥ Table	50%	STD	400/40	1.25/1.25mm	AHSPACS
CTA Neck	Axial	⊥ Table	50%	STD	400/40	1.25/1.25mm	AHSPACS
CTA Neck	Coronal	∥ Neck	50%	STD	400/40	2.5/2.5mm	AHSPACS
CTA Neck	Sagittal	∥ Neck	50%	STD	400/40	2.5/2.5mm	AHSPACS
CTA Neck 3D MIP	Spin			STD		10°	AHSPACS
CTA Neck 3D VR	Spin			STD		10°	AHSPACS



Indication Pre-op TAVR Tricuspid valve replacment

Scanning Notes: TAVR Studies, Timed off of the Asc. Aorta. There are 3 scans, Calcium scoring for planning and diagnosis, Coronary arteries, and immediately following an arterial phase Neck, Chest, ABD/PEL

Important Note:

Tricuspid protocols DO NOT have a coronary TAVR order in addition to regular orders

Parameters	Calcium Scoring	CTA Neck, Chest, ABD/PEL
Isocenter	Slight	Mid Body
SFOV	Adult Cardiac	Large Body (50cm)
Pitch	Axial	.992:1
Beam Collimation	160mm	80mm
Rotation speed	0.28	0.28
kVp	120	100
mA	50-620	100-1080
Noise Index	20	11.3
Focal spot	Large	Large
CTDI (mGy)	4.47-47.76	1.18-12.82
Avg DLP (mGy*cm)	350	350

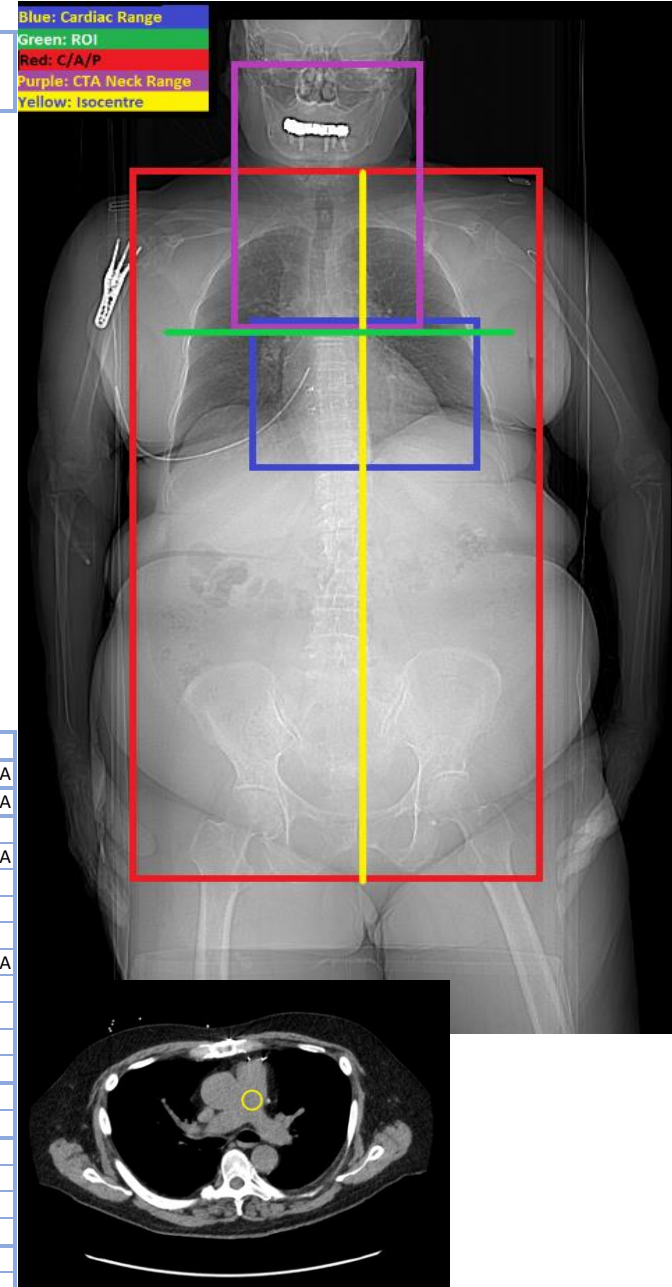
Scanning protocol:

Phase	Calcium Scoring	CTA Neck, Chest, ABD/PEL
Scan Range/Direction/Recon Range	Axial S>I	Inf.Orb.Rim>Ish. Tub
DFOV	25cm	50cm
Contrast volume and rate	n/a	Omni 350 100ml@4.0cc/s
Scan Delay	n/a	SmartPrep on Pulmonary Artery

Post Processing:

ALL COR/SAG RECONNED FROM .625MM VOLUME / 3D IMAGES RECONNED ON AW SERVER AUTOBONEXPRESS

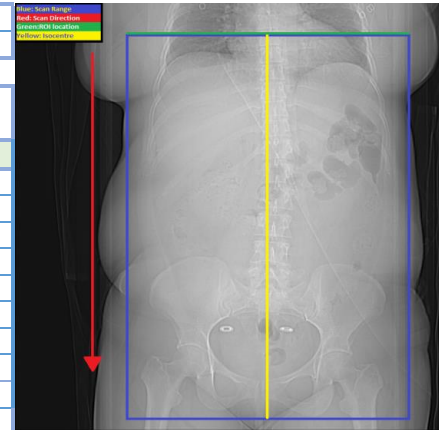
Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Calcium Scoring	Axial	⊥ Table	50%	STD	400/40	.625/.625mm	AHSPACS, AHS AW, TERA
Heart Full Beat PA Phase	Axial	⊥ Table	50%	STD	400/40	.625/.625mm	AHSPACS, AHS AW, TERA
C/A/P Abd/pel folder	Axial	⊥ Table	50%	STD	400/40	2.5/2.5mm	AHSPACS
C/A/P Abd/pel folder	Axial	⊥ Table	50%	STD	400/40	.625/.625mm	AHSPACS, AHS AW, TERA
C/A/P Abd/pel folder	Coronal	∥ Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS
C/A/P Abd/pel folder	Sagittal	∥ Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS
C/A/P Chest folder	Axial	⊥ Table	50%	STD	400/40	2.5/2.5mm	AHSPACS
C/A/P Chest folder	Axial	⊥ Table	50%	STD	400/40	.625/.625mm	AHSPACS, AHS AW, TERA
C/A/P Chest folder	Coronal	∥ Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS
C/A/P Chest folder	Sagittal	∥ Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS
Chest Lung Chest folder	Axial	⊥ Table	50%	Lung/MIP	2000/-700	1.25/1.25mm	AHSPACS
Chest Lung Chest folder	Axial	⊥ Table	50%	Lung/MIP	2000/-700	8mm/3mm	AHSPACS
CTA C/A/P 3D MIP	Spin			STD		10°	AHSPACS
CTA C/A/P 3D VR	Spin			STD		10°	AHSPACS
CTA Neck	Axial	⊥ Table	50%	STD	400/40	1.25/1.25mm	AHSPACS
CTA Neck	Axial	⊥ Table	50%	STD	400/40	1.25/1.25mm	AHSPACS
CTA Neck	Coronal	∥ Neck	50%	STD	400/40	2.5/2.5mm	AHSPACS
CTA Neck	Sagittal	∥ Neck	50%	STD	400/40	2.5/2.5mm	AHSPACS
CTA Neck 3D MIP	Spin			STD		10°	AHSPACS
CTA Neck 3D VR	Spin			STD		10°	AHSPACS



Indication	Abd Pain
Post Contrast	Infection

Scanning Notes:

Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Mid Body	Mid Body
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.992:1	.516:2
Beam Collimation	80mm	80mm
Rotation speed	0.6	0.6
kVp	120	120
Noise Index	12	12
mA	150-740	150-741
CTDI (mGy)	6.14-28.71	6.14-28.71
Avg DLP (mGy*cm)	500	500


Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Diaphragm to Ischial Tuberosities	Diaphragm to Ischial Tuberosities
DFOV	35cm Muscle to Muscle	35cm Muscle to Muscle
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con ABD/PEL	Axial	⊥Table	30%	STD	400/40	3.75/3.75mm	AHSPACS
Non-Con ABD/PEL	Axial	⊥Table	30%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con ABD/PEL Thins	Axial	⊥Table	30%	STD	400/40	.625/.625mm	
Non-Con ABD/PEL	Coronal	Body	30%	STD	400/40	3.75/3.75mm	AHSPACS
Non-Con ABD/PEL	Sagittal	Body	30%	STD	400/40	3.75/3.75mm	AHSPACS
With 70 sec delay	Axial	⊥Table	30%	STD	400/40	3.75/3.75mm	AHSPACS
With 70 sec Delay	Axial	⊥Table	30%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec Delay Thin	Axial	⊥Table	30%	STD	400/40	.625/.625mm	
With 70 sec delay	Coronal	Body	30%	STD	400/40	3.75/3.75mm	AHSPACS
With 70 sec delay	Sagittal	Body	30%	STD	400/40	3.75/3.75mm	AHSPACS

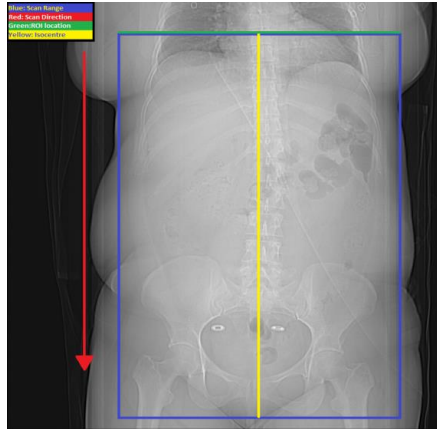
Indication	Venous Malformation
Post Contrast	Infection

Scanning Notes:

Parameters	POST-CONTRAST 110 sec. Delay
Isocenter	Mid Body
SFOV	Large Body (50cm)
Pitch	.516:2
Beam Collimation	80mm
Rotation speed	0.6
kVp	120
Noise Index	12
mA	150-741
CTDI (mGy)	6.14-28.71
Avg DLP (mGy*cm)	500

Scanning protocol:

Phase	Venogram 110 sec. Delay
Scan Range/Direction	Diaphragm to Ischial Tuberosities
DFOV	35cm Muscle to Muscle
Contrast volume and rate	100 ml @ 3ml/sec
Scan Delay	110 Sec.



Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
With 110 sec delay	Axial	└Table	30%	STD	400/40	3.75/3.75mm	AHSPACS
With 110 sec Delay	Axial	└Table	30%	STD	400/40	2.5/2.5mm	AHSPACS
With 110 sec Delay Thin	Axial	└Table	30%	STD	400/40	.625/.625mm	
With 110 sec delay	Coronal	┐Body	30%	STD	400/40	3.75/3.75mm	AHSPACS
With 110 sec delay	Sagittal	┐Body	30%	STD	400/40	3.75/3.75mm	AHSPACS

Indication	GI Bleed, Unknown Blood Loss
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Scanning Notes: **GI Bleed scans are 3 phases full FOV for all three phases**

Parameters	Non-Con A/P	Arterial Phase A/P	Venous A/P
Isocenter	Mid Body	Mid Body	Mid Body
SFOV	Large Body (50cm)	Large Body (50cm)	Large Body (50cm)
Pitch	.992:1	.992:1	.992:1
Beam Collimation	80mm	80mm	80mm
Rotation speed	0.5	0.5	0.5
kVp	120	120	120
mA	80-650	80-650	80-650
Noise Index	9	9	9
Focal spot	Large	Large	Large
CTDI (mGy)	2.73-22.21	2.12-22.89	2.12-22.89
Avg DLP (mGy*cm)	350	350	350

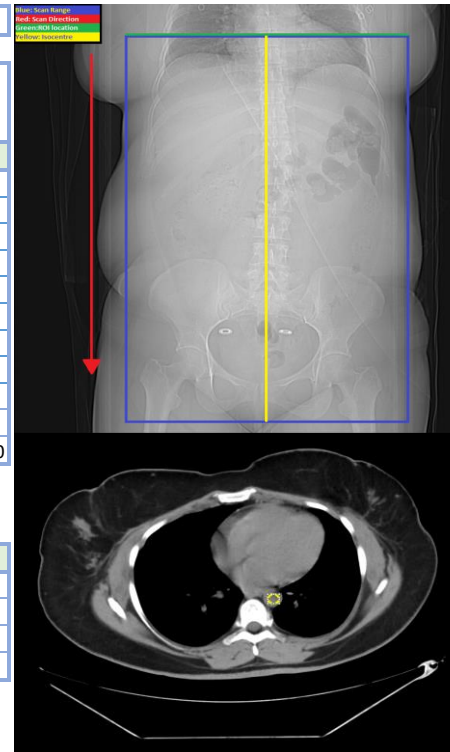
Scanning protocol:

Phase	Non-Con A/P	Arterial Phase A/P	Venous A/P
Scan Range/Direction	Diaphragm to Ish. Tub.	Diaphragm to Ish. Tub.	Diaphragm to Ish. Tub.
DFOV	40cm	40cm	40cm
Contrast volume and rate	n/a	100ml @ 4ml/s	n/a
Scan Delay	n/a	ROI Aorta LVL celiac	70s from injection

Post Processing:

ALL COR/SAG RECONED FROM .625MM VOLUME / 3D IMAGES RECONED ON AW SERVER AUTOBONEXPRESS

Phase	Region	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con	Abd/Pel	Axial	⊥ Table	40%	STD	400/40	2.5/2.5mm	AHSPACS
Arterial	Abd/Pel	Axial	⊥ Table	40%	STD	400/40	1.25/1.25mm	AHSPACS
Arterial	Abd/Pel	Axial	⊥ Table	40%	STD	400/40	.625/.625mm	AHSAW
Arterial	Abd/Pel	Coronal	∥ ABD/PEL	40%	STD	400/40	1.25/1.25mm	AHSPACS
Arterial	Abd/Pel	Sagittal	∥ ABD/PEL	40%	STD	400/40	1.25/1.25mm	AHSPACS
With 70 sec delay	Abd/Pel	Axial	⊥ Table	40%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay Thins	Abd/Pel	Axial	⊥ Table	40%	STD	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Abd/Pel	Coronal	∥ ABD/PEL	40%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Abd/Pel	Sagittal	∥ ABD/PEL	40%	STD	400/40	2.5/2.5mm	AHSPACS
CTA GI Bleed 3D MIP	Spin				STD		10°	AHSPACS
CTA GI Bleed 3D VR	Spin				STD		10°	AHSPACS



Indication	GI Bleed, Unknown Blood Loss
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Scanning Notes: **Mesenteric Ischemia does not Have a non-con scan prior to arterial.**

Parameters	Arterial Phase A/P	Venous A/P
Isocenter	Mid Body	Mid Body
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.992:1	.992:1
Beam Collimation	80mm	80mm
Rotation speed	0.5	0.5
kVp	120	120
mA	80-650	80-650
Noise Index	9	9
Focal spot	Large	Large
CTDI (mGy)	2.12-22.89	2.12-22.89
Avg DLP (mGy*cm)	350	350

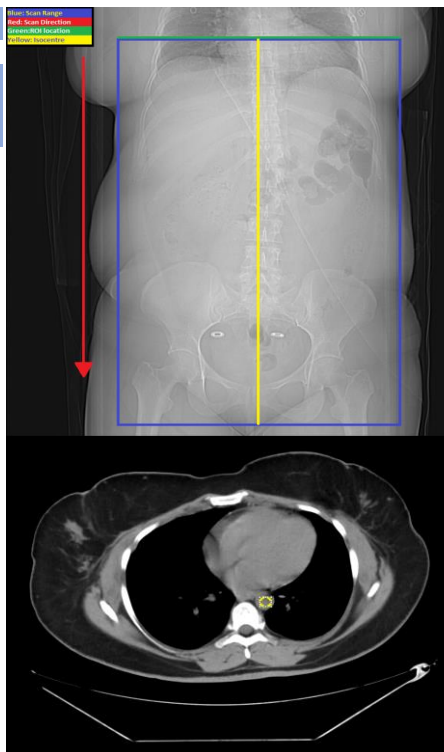
Scanning protocol:

Phase	Arterial Phase A/P	Venous A/P
Scan Range/Direction	Diaphragm to Ish. Tub.	Diaphragm to Ish. Tub.
DFOV	40cm	40cm
Contrast volume and rate	100ml @ 4ml/s	n/a
Scan Delay	ROI Aorta LVL celiac	70s from injection

Post Processing:

ALL COR/SAG RECONED FROM .625MM VOLUME / 3D IMAGES RECONED ON AW SERVER AUTOBONEXPRESS

Phase	Region	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Arterial	ABD/PEL	Axial	⊥ Table	40%	STD	400/40	1.25/1.25mm	AHSPACS
Arterial	ABD/PEL	Axial	⊥ Table	40%	STD	400/40	.625/.625mm	AHSAW
Arterial	ABD/PEL	Coronal	∥ ABD/PEL	40%	STD	400/40	1.25/1.25mm	AHSPACS
Arterial	ABD/PEL	Sagittal	∥ ABD/PEL	40%	STD	400/40	1.25/1.25mm	AHSPACS
With 70 sec delay	ABD/PEL	Axial	⊥ Table	40%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec Delay Thin	ABD/PEL	Axial	⊥ Table	40%	STD	400/40	.625/.625mm	AHSAW
With 70 sec delay	ABD/PEL	Coronal	∥ ABD/PEL	40%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	ABD/PEL	Sagittal	∥ ABD/PEL	40%	STD	400/40	2.5/2.5mm	AHSPACS
CTA Mes. Isch 3D MIP	Spin				STD		10°	AHSPACS
CTA Mes. Isch 3D VR	Spin				STD		10°	AHSPACS



Indication	Dissection
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Scanning Notes: Dissection cases require the use of gating, in order to best visualize the Aortic Root with as little motion as reasonable.

Parameters	Non-con Abd/Pel	Arterial Phase
Isocenter	Mid Body	Mid Body
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.516:1	Axial
Beam Collimation	80mm	SC:40mm-160mm
Rotation speed	0.5	0.35
kVp	120	100
mA	80-625	100-1080
Noise Index	12.3	13.4
Focal spot	Large	Large
CTDI (mGy)	2.73-21.36	1.38-12.77
Avg DLP (mGy*cm)	350	350

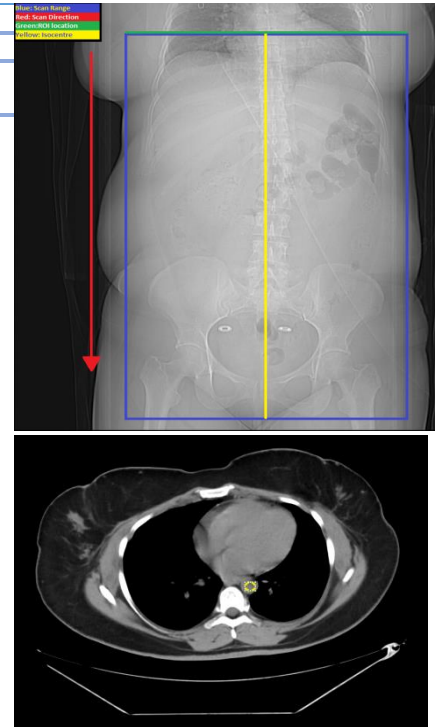
Scanning protocol:

Phase	Non-con Abd/Pel	Arterial Phase
Scan Range/Direction	Apices to Mid-Kidney	Apices to Mid-Kidney
DFOV	40cm	40cm
Contrast volume and rate	n/a	Omni 350 100ml@4.0cc/s
Scan Delay	n/a	SmartPrep Ascending Aort

Post Processing:

ALL COR/SAG RECONNED FROM .625MM VOLUME / 3D IMAGES RECONNED ON AW SERVER AUTOBONEXPRESS

Phase	Region	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con	ABD/PEL	Axial	⊥ Table	50%	STD	400/40	2.5/2.5mm	AHSPACS
Arterial	ABD/PEL	Axial	⊥ Table	50%	STD	400/40	1.25/1.25mm	AHSPACS
Arterial	ABD/PEL	Axial	⊥ Table	40%	STD	400/40	2.5/2.5mm	AHSPACS
Arterial	ABD/PEL	Axial	⊥ Table	50%	STD	400/40	.625/.625mm	AHSAW
Arterial	ABD/PEL	Coronal	∥ Abd/Pel	50%	STD	400/40	1.25/1.25mm	AHSPACS
Arterial	ABD/PEL	Sagittal	∥ Abd/Pel	50%	STD	400/40	1.25/1.25mm	AHSPACS
CTA Abd/Pel 3D MIP		Spin			STD		10°	AHSPACS
CTA Abd/Pel 3D VR		Spin			STD		10°	AHSPACS



Indication	AAA Known
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Scanning Notes: Arterial Only Necessary for a known AAA

Parameters	Arterial Phase A/P
Isocenter	Mid Body
SFOV	Large Body (50cm)
Pitch	.992:1
Beam Collimation	80mm
Rotation speed	0.5
kVp	120
mA	80-650
Noise Index	9
Focal spot	Large
CTDI (mGy)	2.73-22.21
Avg DLP (mGy*cm)	350

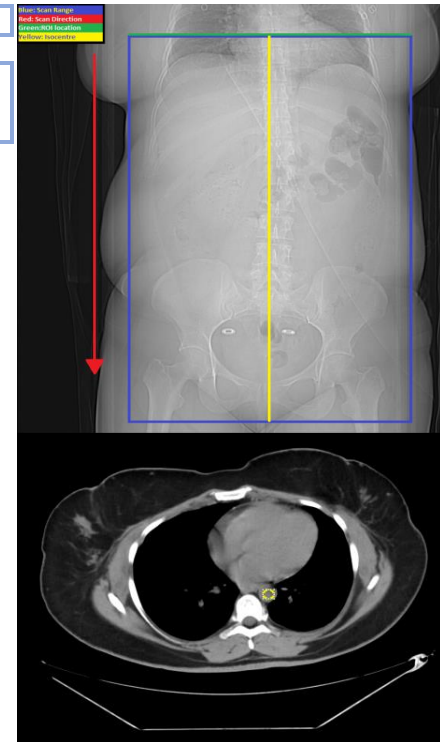
Scanning protocol:

Phase	Arterial Phase A/P
Scan Range/Direction	Diaphragm to Ish. Tub.
DFOV	40cm
Contrast volume and rate	100ml @ 4ml/s
Scan Delay	SP Auto ROI Aorta

Post Processing:

ALL COR/SAG RECONNED FROM .625MM VOLUME / 3D IMAGES RECONNED ON AW SERVER AUTOBONEXPRESS

Phase	Region	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Arterial	ABD/PEL	Axial	┴ Table	40%	STD	400/40	1.25/1.25mm	AHSPACS
Arterial	ABD/PEL	Axial	┴ Table	40%	STD	400/40	2.5/2.5mm	AHSPACS
Arterial	ABD/PEL	Axial	┴ Table	40%	STD	400/40	.625/.625mm	AHSAW
Arterial	ABD/PEL	Coronal	ABD/PEL	40%	STD	400/40	1.25/1.25mm	AHSPACS
Arterial	ABD/PEL	Sagittal	ABD/PEL	40%	STD	400/40	1.25/1.25mm	AHSPACS
CTA ABD/PEL 3D MIP		Spin			STD		10°	AHSPACS
CTA ABD/PEL 3D VR		Spin			STD		10°	AHSPACS



Indication	Claudication		
Scanning Notes: GI Bleed scans are 3 phases full FOV for all three phases			
Parameters	Non-Con A/P	Arterial Phase A/P	6 min Delay
Isocenter	Mid Body	Mid Body	Mid Body
SFOV	Large Body (50cm)	Large Body (50cm)	Large Body (50cm)
Pitch	.992:1	.992:1	.992:1
Beam Collimation	80mm	80mm	80mm
Rotation speed	0.5	0.5	0.5
kVp	120	120	120
mA	80-650	80-650	80-650
Noise Index	9	9	9
Focal spot	Large	Large	Large
CTDI (mGy)	2.73-22.21	2.73-22.21	2.12-22.89
Avg DLP (mGy*cm)	350	350	350

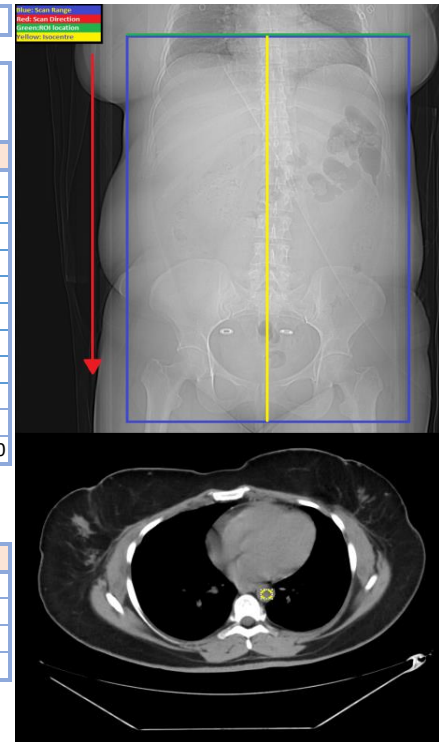
Scanning protocol:

Phase	Non-Con A/P	Arterial Phase A/P	90s Endograft Delay
Scan Range/Direction	Diaphragm to Ish. Tub.	Diaphragm to Ish. Tub.	Diaphragm to Ish. Tub.
DFOV	40cm	40cm	40cm
Contrast volume and rate	n/a	100ml @ 4ml/s	n/a
Scan Delay	n/a	SP Auto ROI Aorta	90s from injection

Post Processing:

ALL COR/SAG RECONED FROM .625MM VOLUME / 3D IMAGES RECONED ON AW SERVER AUTOBONEXPRESS

Phase	Region	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con	ABD/PEL	Axial	⊥ Table	40%	STD	400/40	2.5/2.5mm	AHSPACS
Arterial	ABD/PEL	Axial	⊥ Table	40%	STD	400/40	1.25/1.25mm	AHSPACS
Arterial	ABD/PEL	Axial	⊥ Table	40%	STD	400/40	2.5/2.5mm	AHSPACS
Arterial	ABD/PEL	Axial	⊥ Table	40%	STD	400/40	.625/.625mm	AHSAW
Arterial	ABD/PEL	Coronal	∥ ABD/PEL	40%	STD	400/40	1.25/1.25mm	AHSPACS
Arterial	ABD/PEL	Sagittal	∥ ABD/PEL	40%	STD	400/40	1.25/1.25mm	AHSPACS
90s Endograft Delay	ABD/PEL	Axial	⊥ Table	40%	STD	400/40	2.5/2.5mm	AHSPACS
90s Endograft Delay	ABD/PEL	Axial	⊥ Table	40%	STD	400/40	.625/.625mm	AHSPACS
90s Endograft Delay	ABD/PEL	Coronal	∥ ABD/PEL	40%	STD	400/40	2.5/2.5mm	AHSPACS
90s Endograft Delay	ABD/PEL	Sagittal	∥ ABD/PEL	40%	STD	400/40	2.5/2.5mm	AHSPACS
CTA ABD/PEL 3D MIP	Spin				STD		10°	AHSPACS
CTA ABD/PEL 3D VR	Spin				STD		10°	AHSPACS



Indication	Liver CA
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Scanning Notes: Tri Phase liver: NON-CON and ARTERIAL PHASE through the liver. Venous through both abdomen and pelvis

Parameters	Non-Con ABDOMEN	Arterial Phase ABDOMEN	Venous A/P 70 sec.
Isocenter	Mid Body	Mid Body	Mid Body
SFOV	Large Body (50cm)	Large Body (50cm)	Large Body (50cm)
Pitch	.992:1	.992:1	.992:1
Beam Collimation	80mm	80mm	80mm
Rotation speed	0.5	0.5	0.6
kVp	120	120	120
mA	150-650	150-650	150-650
Noise Index	9	12	12
Focal spot	Large	Large	Large
CTDI (mGy)	5.21-22.21	5.21-22.21	5.21-22.21
Avg DLP (mGy*cm)	350	350	350

Scanning protocol:

Phase	Non-Con ABDOMEN	Arterial Phase ABDOMEN	Venous A/P 70 sec.
Scan Range/Direction	Diaphragm to Crests	Diaphragm to Crests	Diaphragm to Ish. Tub.
DFOV	40cm	40cm	40cm
Contrast volume and rate	n/a	100ml @ 4ml/s	n/a
Scan Delay	n/a	40s delay arterial	70s from injection

Post Processing:

ALL COR/SAG RECONED FROM .625MM VOLUME / 3D IMAGES RECONED ON AW SERVER AUTOBONEXPRESS

Phase	Region	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con ABD ONLY	ABD Only	Axial	└Table	40%	STD	400/40	3.75/3.75mm	AHSPACS
40s delay ABD ONLY	ABD Only	Axial	└Table	40%	STD	400/40	3.75/3.75mm	AHSPACS
40s delay ABD ONLY	ABD Only	Axial	└Table	40%	STD	400/40	.625/.625mm	AHSPACS
40s delay ABD ONLY	ABD Only	Coronal	┐ABD/PEL	40%	STD	400/40	3.75/3.75mm	AHSPACS
40s delay ABD ONLY	ABD Only	Sagittal	┐ABD/PEL	40%	STD	400/40	3.75/3.75mm	AHSPACS
Venous A/P 70 sec.	Abd/Pel	Axial	└Table	40%	STD	400/40	3.75/3.75mm	AHSPACS
Venous A/P 70 sec.	Abd/Pel	Axial	└Table	40%	STD	400/40	.625/.625mm	AHSPACS
Venous A/P 70 sec.	Abd/Pel	Coronal	┐ABD/PEL	40%	STD	400/40	3.75/3.75mm	AHSPACS
Venous A/P 70 sec.	Abd/Pel	Sagittal	┐ABD/PEL	40%	STD	400/40	3.75/3.75mm	AHSPACS
3 min ABD ONLY	ABD Only	Axial	└Table	40%	STD	400/40	3.75/3.75mm	AHSPACS



Indication	Renal Mass
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Scanning Notes: Non-con full A/P, 50 Sec. delay abdomen only, 6 min. delay A/P

Parameters	NON-CONTRAST Abd only	50 Sec. ABD/PEL	100 sec. Delay Abd only
Isocenter	Mid Body	Mid Body	Mid Body
SFOV	Large Body (50cm)	Large Body (50cm)	Large Body (50cm)
Pitch	.992:1	.992:1	.992:1
Beam Collimation	80mm	80mm	80mm
Rotation speed	0.5	0.5	0.5
kVp	120	120	120
Noise Index	9	9	9
mA	150-740	150-741	150-741
CTDI (mGy)	6.14-30.35	6.14-30.35	6.14-30.35
Avg DLP (mGy*cm)	500	500	500

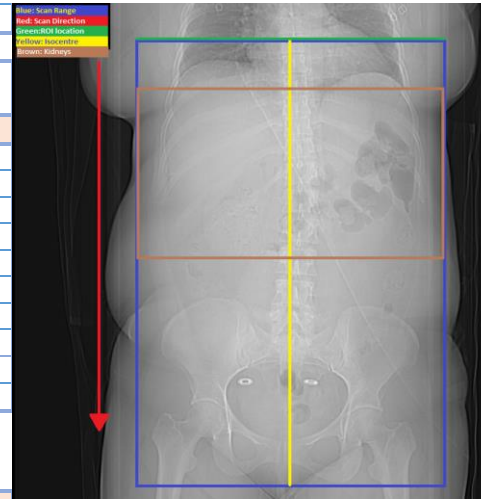
Scanning protocol:

Phase	NON-CONTRAST Abd only	50 Sec. ABD/PEL	100 sec. Delay Abd only
Scan Range/Direction	Diaphragm to Crests	Diaphragm to Ish. Tub.	Diaphragm to Crests
DFOV	35cm Muscle to Muscle	35cm Muscle to Muscle	35cm Muscle to Muscle
Contrast volume and rate	n/a	100 ml @ 2ml/sec	n/a
Scan Delay	n/a	50 Sec	100 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONED FROM .625MM VOLUME

Phase	Region	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con	ABD Only	Axial	⊥Table	30%	STD	400/40	3.75/3.75mm	AHSPACS
50 Sec.	Abd/Pel	Axial	⊥Table	30%	STD	400/40	3.75/3.75mm	AHSPACS
50 Sec. Thins	Abd/Pel	Axial	⊥Table	30%	STD	400/40	.625/.625mm	AHSPACS
50 Sec.	Abd/Pel	Coronal	Body	30%	STD	400/40	3.75/3.75mm	AHSPACS
50 Sec.	Abd/Pel	Sagittal	Body	30%	STD	400/40	3.75/3.75mm	AHSPACS
100 sec.	ABD Only	Axial	⊥Table	30%	STD	400/40	3.75/3.75mm	AHSPACS
100 sec. Thins	ABD Only	Axial	⊥Table	30%	STD	400/40	.625/.625mm	AHSPACS
100 sec.	ABD Only	Coronal	Body	30%	STD	400/40	3.75/3.75mm	AHSPACS
100 sec.	ABD Only	Sagittal	Body	30%	STD	400/40	3.75/3.75mm	AHSPACS



Indication	Adrenal Mass
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Scanning Notes: Non-con full A/P, 70 Sec. delay abdomen only, 6 min. delay A/P

Parameters	NON-CON Adrenals only	70 Sec. ABD/PEL	15 min Adrenals only
Isocenter	Mid Body	Mid Body	Mid Body
SFOV	Large Body (50cm)	Large Body (50cm)	Large Body (50cm)
Pitch	.992:1	.992:1	.992:1
Beam Collimation	80mm	80mm	80mm
Rotation speed	0.5	0.5	0.5
kVp	120	120	120
Noise Index	9	9	9
mA	170-740	170-741	170-741
CTDI (mGy)	6.14-30.35	6.14-30.35	6.14-30.35
Avg DLP (mGy*cm)	700	700	700

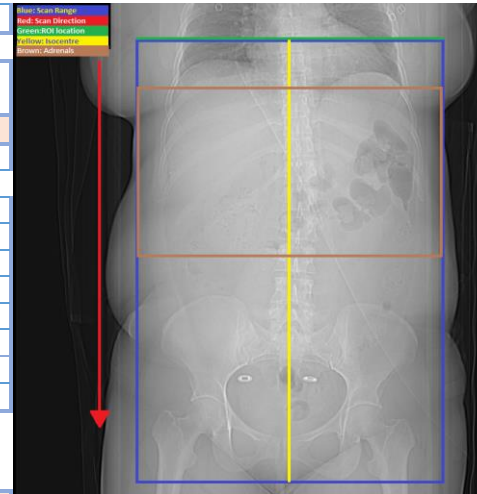
Scanning protocol:

Phase	NON-CONTRAST Adrenals	70 Sec. ABD/PEL	15 min Delay Adrenals only
Scan Range/Direction	Diaphragm to Crests	Diaphragm to Ish. Tub.	Diaphragm to Crests
DFOV	35cm Muscle to Muscle	35cm Muscle to Muscle	35cm Muscle to Muscle
Contrast volume and rate	n/a	100 ml @ 2ml/sec	n/a
Scan Delay	n/a	70 Sec	100 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

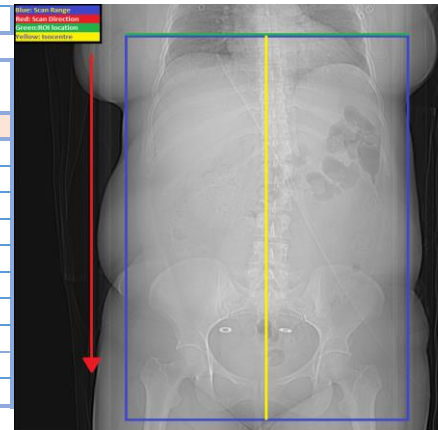
Phase	Region	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con	Adrenals only	Axial	┴Table	30%	STD	400/40	3.75/3.75mm	AHSPACS
70 Sec.	Abd/Pel	Axial	┴Table	30%	STD	400/40	3.75/3.75mm	AHSPACS
70 Sec. Thins	Abd/Pel	Axial	┴Table	30%	STD	400/40	.625/.625mm	AHSPACS
70 Sec.	Abd/Pel	Coronal	Body	30%	STD	400/40	3.75/3.75mm	AHSPACS
70 Sec.	Abd/Pel	Sagittal	Body	30%	STD	400/40	3.75/3.75mm	AHSPACS
15 min	Adrenals only	Axial	┴Table	30%	STD	400/40	3.75/3.75mm	AHSPACS



Indication	Infection, Hematuria		
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Scanning Notes:

Parameters	NON-CONTRAST	Venous Delay 100 Sec.	8 Min. Dealy
Isocenter	Mid Body	Mid Body	Mid Body
SFOV	Large Body (50cm)	Large Body (50cm)	Large Body (50cm)
Pitch	.992:1	.992:1	.992:1
Beam Collimation	80mm	80mm	80mm
Rotation speed	0.5	0.5	0.5
kVp	120	120	120
Noise Index	9	9	9
mA	150-740	150-741	150-741
CTDI (mGy)	6.14-28.21	6.14-28.21	6.14-28.21
Avg DLP (mGy*cm)	500	500	500



Scanning protocol:

Phase	NON-CONTRAST	Venous Delay 100 Sec.	8 Min. Dealy
Scan Range/Direction	Diaphragm to Ischial Tube	Diaphragm to Ischial Tube	Diaphragm to Ischial Tuberosity
DFOV	35cm Muscle to Muscle	35cm Muscle to Muscle	35cm Muscle to Muscle
Contrast volume and rate	n/a	100 ml @ 2ml/sec	n/a
Scan Delay	n/a	100 Sec.	10 min

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

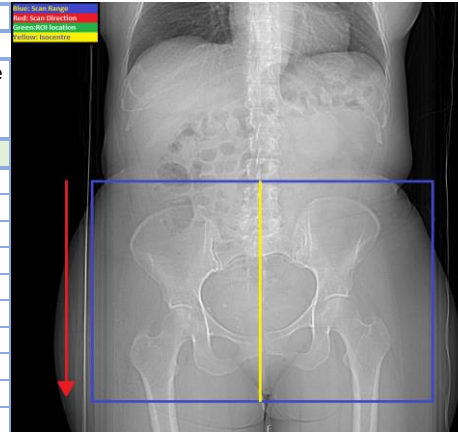
ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Region	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con	Kid. > Bladder	Axial	┴Table	30%	STD	400/40	2.5/2.5mm	AHSPACS
With 100 Sec. delay	Abd/Pel	Axial	┴Table	30%	STD	400/40	2.5/2.5mm	AHSPACS
With 100 Sec. Delay Thin	Abd/Pel	Axial	┴Table	30%	STD	400/40	.625/.625mm	
With 100 Sec. delay	Abd/Pel	Coronal	┴Body	30%	STD	400/40	2.5/2.5mm	AHSPACS
With 100 Sec. delay	Abd/Pel	Sagittal	┴Body	30%	STD	400/40	2.5/2.5mm	AHSPACS
8 Min. delay	Kid. > Bladder	Axial	┴Table	30%	STD	400/40	2.5/2.5mm	AHSPACS
8 Min. delay Thins	Kid. > Bladder	Axial	┴Table	30%	STD	400/40	.625/.625mm	
8 Min. delay	Kid. > Bladder	Coronal	┴Body	30%	STD	400/40	2.5/2.5mm	AHSPACS
8 Min. delay	Kid. > Bladder	Sagittal	┴Body	30%	STD	400/40	2.5/2.5mm	AHSPACS
8 Min. delay	Kid. > Bladder	Coronal	┴Body	30%	STD	400/40	40/4mm MIP	AHSPACS

Indication	Bladder injury
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Scanning Notes: 30ml Omnipaque per 250ml normal saline, injected by a resident into a foley catheter. Foley should be clamped post void images to follow, Please add study note for tolerated volume of contrast if different than total

Parameters	Non-con Pelvis	Bladder Full Pelvis	Post Void Pelvis
Isocenter	Mid Body	Mid Body	Mid Body
SFOV	Large Body (50cm)	Large Body (50cm)	Large Body (50cm)
Pitch	.992:1	.992:1	.992:1
Beam Collimation	80mm	80mm	80mm
Rotation speed	0.6	0.6	0.6
kVp	120	120	120
mA	150-740	150-740	150-740
Noise Index	9	9	9
Focal spot	6.14-30.35	6.14-30.35	6.14-30.35
CTDI (mGy)	12	12	12
Avg DLP (mGy*cm)	350	350	350



Scanning protocol:

Phase	Non-con Pelvis	Bladder Full Pelvis	Post Void Pelvis
Scan Range/Direction	Crests to Ischial Tub.	Crests to Ischial Tub.	Crests to Ischial Tub.
DFOV	40cm	40cm	40cm
Contrast volume and rate	n/a	NS250ml/Omni 30ml Given through Foley	
Scan Delay	n/a	Full Sensation	n/a

Post Processing:

ALL COR/SAG RECONNED FROM .625MM VOLUME

Phase	Region	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Pelvis	Pelvis	Axial	└ Table	30%	STD	400/40	3.75/3.75mm	AHSPACS
Full Bladder	Pelvis	Axial	└ Table	30%	STD	400/40	3.75/3.75mm	AHSPACS
Full Bladder Thins	Pelvis	Axial	└ Table	30%	STD	400/40	.625/.625mm	
Full Bladder	Pelvis	Coronal	Pelvis	30%	STD	400/40	3.75/3.75mm	AHSPACS
Full Bladder	Pelvis	Sagittal	Pelvis	30%	STD	400/40	3.75/3.75mm	AHSPACS
Post Void	Pelvis	Axial	└ Table	30%	STD	400/40	3.75/3.75mm	AHSPACS

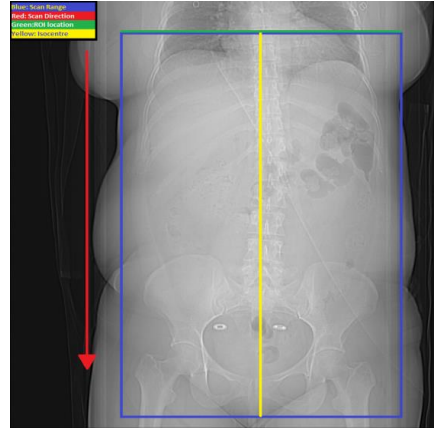
Indication	Kidney Stones
Post Contrast	Infection

Scanning Notes: 1 bottle Volumen (450 cc) -> 45, 30 and 15 min prior & 1 full cup H2O on table
DRINK ALL CONTRAST MUST

Parameters	POST-CONTRAST 50 Sec. Delay
Isocenter	Mid Body
SFOV	Large Body (50cm)
Pitch	.516:2
Beam Collimation	80mm
Rotation speed	0.6
kVp	120
Noise Index	12
mA	150-741
CTDI (mGy)	6.14-28.71
Avg DLP (mGy*cm)	500

Scanning protocol:

Phase	POST-CONTRAST 50 sec. Delay
Scan Range/Direction	Diaphragm to Ischial Tuberosities
DFOV	35cm Muscle to Muscle
Contrast volume and rate	100 ml @ 3ml/sec
Scan Delay	50 Sec

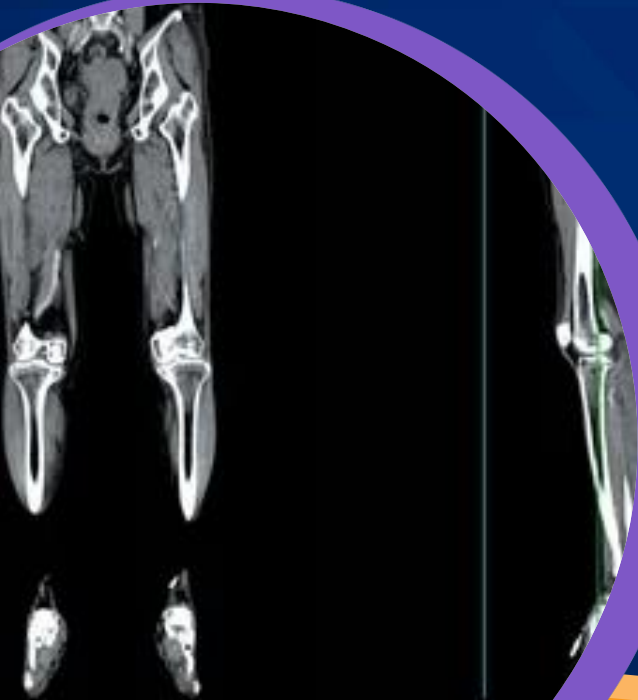


Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Region	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
With 50 Sec delay	Abd/Pel	Axial	⊥Table	30%	STD	400/40	2.5/2.5mm	AHSPACS
With 50 Sec Delay Thin	Abd/Pel	Axial	⊥Table	30%	STD	400/40	.625/.625mm	
With 50 Sec delay	Abd/Pel	Coronal	Body	30%	STD	400/40	2.5/2.5mm	AHSPACS
With 50 Sec delay	Abd/Pel	Sagittal	Body	30%	STD	400/40	2.5/2.5mm	AHSPACS

Extremities



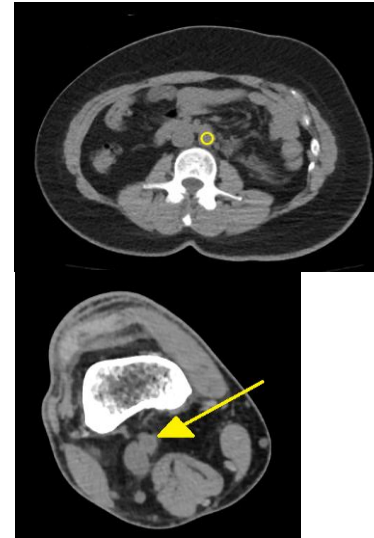
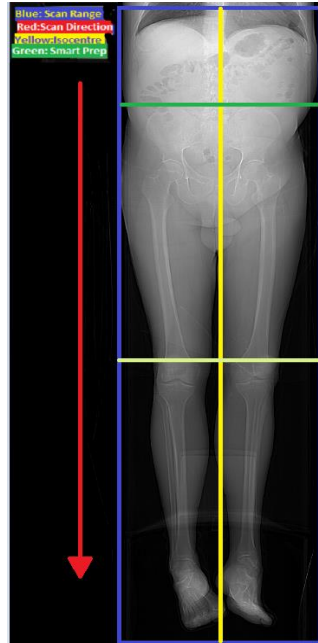
Indication	Claudication
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Scanning Notes: Dissection cases require the use of gating, in order to best visualize the Aortic Root with as little motion as reasonable. At the Tech's discretion SmartPrep with the ROI on the aorta at just above the iliac crests, OR manual triggering at the popliteal

Parameters	Arterial Phase
Isocenter	Mid Body
SFOV	Large Body (50cm)
Pitch	.992:1
Beam Collimation	80mm
Rotation speed	0.8
kVp	120
mA	150-700
Noise Index	12
Focal spot	Large
CTDI (mGy)	8.19-38.28
Avg DLP (mGy*cm)	350

Scanning protocol:

Phase	Arterial Phase
Scan Range/Direction	Diaphragm to Toes
DFOV	40cm
Contrast volume and rate	100ml @ 4ml/s
Scan Delay	SmartPrep @ Crests OR Manual At Knee POP.



Post Processing:

ALL COR/SAG RECONED FROM .625MM VOLUME / 3D IMAGES RECONED ON AW SERVER AUTOBONEXPRESS

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Arterial ABD tot TOES	Axial	⊥ Table	40%	STD	400/40	1.25/1.25mm	AHSPACS
Arterial ABD tot TOES	Axial	⊥ Table	40%	STD	400/40	.625/.625mm	AHSAW
Diaphragm to Isch. Tub.	Coronal	∥ Legs	40%	STD	400/40	1.25/1.25mm	AHSPACS
Diaphragm to Isch. Tub.	Sagittal	∥ Legs	40%	STD	400/40	1.25/1.25mm	AHSPACS
Crests to knees	Coronal	∥ Legs	40%	STD	400/40	1.25/1.25mm	AHSPACS
Crests to knees	Sagittal	∥ Legs	40%	STD	400/40	1.25/1.25mm	AHSPACS
Knees to Toes	Coronal	∥ Legs	40%	STD	400/40	1.25/1.25mm	AHSPACS
Knees to Toes	Sagittal	∥ Legs	40%	STD	400/40	1.25/1.25mm	AHSPACS
CTA Runoff 3D MIP	Spin			STD		10°	AHSPACS
CTA Runoff 3D VR	Spin			STD		10°	AHSPACS

Indication	Injury, poor patency
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Scanning Notes: **Upper Extremity will need to be scanned with arm by side of body as close to anatomical positioning as possible. SmartPrep on the Aorta.**

Parameters	Arterial Phase
Isocenter	Mid Body
SFOV	Large Body (50cm)
Pitch	.992:1
Beam Collimation	80mm
Rotation speed	0.8
kVp	120
mA	150-700
Noise Index	12
Focal spot	Large
CTDI (mGy)	8.19-38.28
Avg DLP (mGy*cm)	350

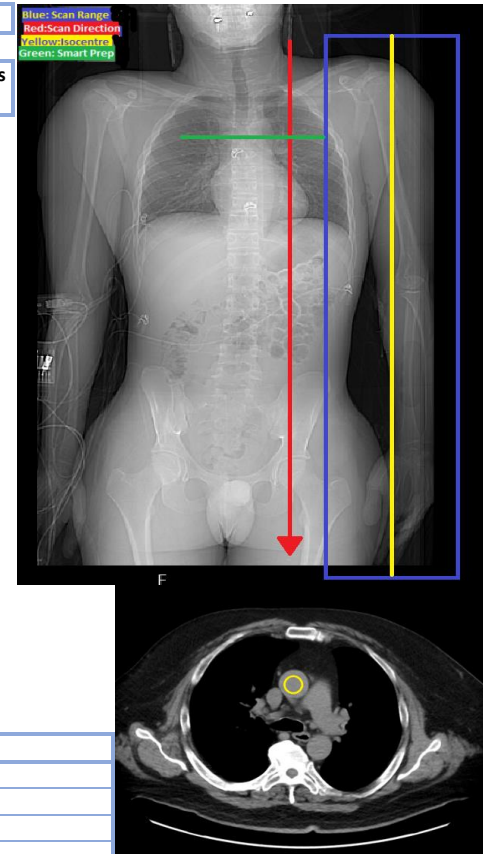
Scanning protocol:

Phase	Arterial Phase
Scan Range/Direction	Above Shoulder - Fingers
DFOV	20cm
Contrast volume and rate	Omni 350 100ml@4.0ml/s
Scan Delay	SmartPrep Aorta

Post Processing:

ALL COR/SAG RECONNED FROM .625MM VOLUME / 3D IMAGES RECONNED ON AW SERVER AUTOBONEXPRESS

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Arterial UE	Axial	⊥ Table	40%	STD	400/40	1.25/1.25mm	AHSPACS
Arterial UE	Axial	⊥ Table	40%	STD	400/40	.625/.625mm	AHSAW
Arterial UE	Coronal	UE	40%	STD	400/40	1.25/1.25mm	AHSPACS
Arterial UE	Sagittal	UE	40%	STD	400/40	1.25/1.25mm	AHSPACS
CTA UE 3D MIP	Spin			STD		10°	AHSPACS
CTA UE 3D VR	Spin			STD		10°	AHSPACS



Indication	Injury
Post Contrast	Infection

Scanning Notes:		
Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Mid Extremity	Mid Extremity
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.992:1	.992:1
Beam Collimation	40mm	40mm
Rotation speed	0.5	0.5
kVp	140	140
Noise Index	11	11
mA	200-635	200-635
CTDI (mGy)	19.3-62.38	19.3-62.38
Avg DLP (mGy*cm)	500	500

Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Anatomy Indicated by order	Anatomy Indicated by order
DFOV	20cm	20cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con UE	Axial	⊥Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con UE Thins	Axial	⊥Anatomy	50%	STD	400/40	.625/.625mm	AHSPACS
Non-Con UE	Coronal	∥ Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con UE	Sagittal	∥ Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec Delay Thin	Axial	⊥Anatomy	50%	STD	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	∥ Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	∥ Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS

Indication	Injury
Post Contrast	Infection

Scanning Notes:		
Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Mid Extremity	Mid Extremity
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.516:1	.516:1
Beam Collimation	40mm	40mm
Rotation speed	0.5	0.5
kVp	120	120
Noise Index	8.3	8.3
mA	80-560	80-560
CTDI (mGy)	5.3-37.13	5.3-37.13
Avg DLP (mGy*cm)	500	500

Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Anatomy Indicated by order	Anatomy Indicated by order
DFOV	20cm	20cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con UE	Axial	⊥Anatomy	40%	Bone	400/40	2.5/2.5mm	AHSPACS
Non-Con UE Thins	Axial	⊥Anatomy	30%	Bone Plus	400/40	.625/.625mm	AHSPACS
Non-Con UE	Coronal	∥ Anatomy	30%	Bone Plus	400/40	2.5/2.5mm	AHSPACS
Non-Con UE	Sagittal	∥ Anatomy	30%	Bone Plus	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Anatomy	40%	Bone	400/40	2.5/2.5mm	AHSPACS
With 70 sec Delay Thin	Axial	⊥Anatomy	30%	Bone Plus	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	∥ Anatomy	30%	Bone Plus	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	∥ Anatomy	30%	Bone Plus	400/40	2.5/2.5mm	AHSPACS

Indication	Injury
Post Contrast	Infection

Scanning Notes:

Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Mid Extremity	Mid Extremity
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.516:1	.516:1
Beam Collimation	40mm	40mm
Rotation speed	0.5	0.5
kVp	140	140
Noise Index	11	11
mA	200-635	200-635
CTDI (mGy)	19.3-62.38	19.3-62.38
Avg DLP (mGy*cm)	500	500

Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Anatomy Indicated by order	Anatomy Indicated by order
DFOV	20cm	20cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con UE	Axial	⊥Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con UE Thins	Axial	⊥Anatomy	50%	Detail	400/40	.625/.625mm	AHSPACS
Non-Con UE	Coronal	∥ Anatomy	50%	Detail	400/40	2.5/2.5mm	AHSPACS
Non-Con UE	Sagittal	∥ Anatomy	50%	Detail	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec Delay Thin	Axial	⊥Anatomy	50%	Detail	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	∥ Anatomy	50%	Detail	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	∥ Anatomy	50%	Detail	400/40	2.5/2.5mm	AHSPACS

Indication	Injury
Post Contrast	Infection

Scanning Notes:

Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Mid Body	Mid Body
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.516:1	.516:1
Beam Collimation	40mm	40mm
Rotation speed	0.5	0.5
kVp	140	140
Noise Index	6	6
mA	100-635	100-635
CTDI (mGy)	9.65-62.38	9.65-62.38
Avg DLP (mGy*cm)	500	500

Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Anatomy Indicated by order	Anatomy Indicated by order
DFOV	20cm	20cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Hip	Axial	⊥Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con HIP Thins	Axial	⊥Anatomy	50%	STD	400/40	.625/.625mm	AHSPACS
Non-Con HIP	Coronal	∥ Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con HIP	Sagittal	∥ Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec Delay Thin	Axial	⊥Anatomy	50%	STD	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	∥ Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	∥ Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS

Indication	Injury
Post Contrast	Infection

Scanning Notes:

Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Mid Body	Mid Body
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.516:1	.516:1
Beam Collimation	40mm	40mm
Rotation speed	0.5	0.5
kVp	140	140
Noise Index	5	5
mA	100-635	100-635
CTDI (mGy)	9.65-62.38	9.65-62.38
Avg DLP (mGy*cm)	500	500

Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Anatomy Indicated by order	Anatomy Indicated by order
DFOV	20cm	20cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Knee	Axial	⊥Anatomy	50%	Bone	400/40	2.5/2.5mm	AHSPACS
Non-Con Knee Thins	Axial	⊥Anatomy	50%	Detail	400/40	.625/.625mm	AHSPACS
Non-Con Knee	Coronal	∥ Anatomy	50%	Detail	400/40	2.5/2.5mm	AHSPACS
Non-Con Knee	Sagittal	∥ Anatomy	50%	Detail	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Anatomy	50%	Bone	400/40	2.5/2.5mm	AHSPACS
With 70 sec Delay Thin	Axial	⊥Anatomy	50%	Detail	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	∥ Anatomy	50%	Detail	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	∥ Anatomy	50%	Detail	400/40	2.5/2.5mm	AHSPACS

Indication	Injury
Post Contrast	Infection

Scanning Notes:		
Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Mid Body	Mid Body
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.516:1	.516:1
Beam Collimation	40mm	40mm
Rotation speed	0.5	0.5
kVp	120	120
Noise Index	5	5
mA	100-635	100-635
CTDI (mGy)	6.63-42.86	6.63-42.86
Avg DLP (mGy*cm)	500	500

Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Anatomy Indicated by order	Anatomy Indicated by order
DFOV	20cm	20cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Foot/Ankle	Axial	⊥Anatomy	30%	Bone	400/40	2.5/2.5mm	AHSPACS
Non-Con Foot/Ankle Thins	Axial	⊥Anatomy	30%	Detail	400/40	.625/.625mm	AHSPACS
Non-Con Foot/Ankle	Coronal	Anatomy	30%	Detail	400/40	2.5/2.5mm	AHSPACS
Non-Con Foot/Ankle	Sagittal	Anatomy	30%	Detail	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Anatomy	30%	Bone	400/40	2.5/2.5mm	AHSPACS
With 70 sec Delay Thin	Axial	⊥Anatomy	30%	Detail	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	Anatomy	30%	Detail	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	Anatomy	30%	Detail	400/40	2.5/2.5mm	AHSPACS

Indication	Injury
Post Contrast	Infection

Scanning Notes:		
Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Mid Body	Mid Body
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.992:1	.992:1
Beam Collimation	40mm	40mm
Rotation speed	0.5	0.5
kVp	140	140
Noise Index	6	6
mA	100-635	100-635
CTDI (mGy)	4.96-31.59	4.96-31.59
Avg DLP (mGy*cm)	500	500

Scanning protocol:

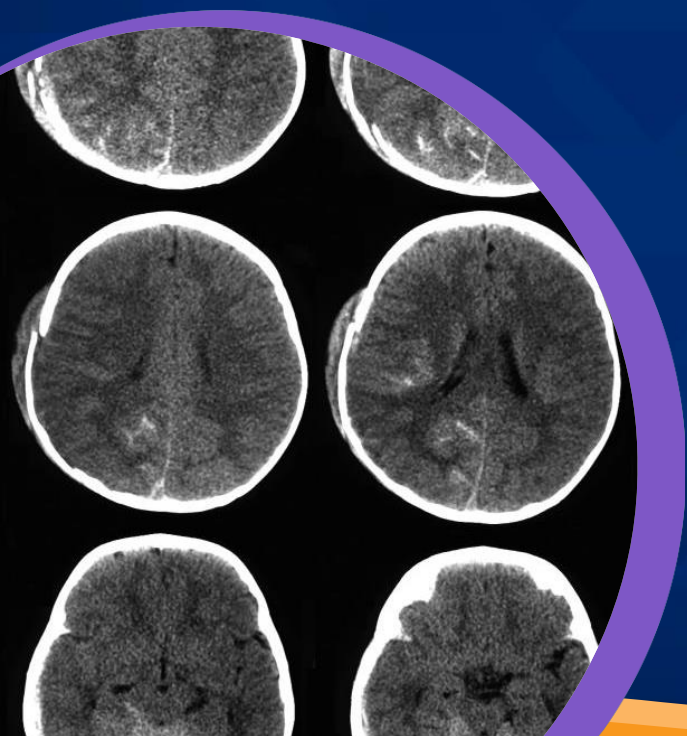
Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Anatomy Indicated by order	Anatomy Indicated by order
DFOV	20cm	20cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Knee	Axial	⊥Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con Knee Thins	Axial	⊥Anatomy	50%	STD	400/40	.625/.625mm	AHSPACS
Non-Con Knee	Coronal	∥ Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con Knee	Sagittal	∥ Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec Delay Thin	Axial	⊥Anatomy	50%	STD	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	∥ Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	∥ Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS

Peds



Indication	Trauma, near syncope, TIA, Stroke, Seizure
Pre and post contrast	Mets

Scanning Notes: CT Head With contrast requires a NON-Contrast study in addition if one has not been performed in the preceding 4 hours.

Parameters	Age 0-12 Months	Age 1-5 Years	Age 6-14 Years	Age 15-17 Years
Isocenter	Slightly Ant. to EAM	Slightly Ant. to EAM	Slightly Ant. to EAM	Slightly Ant. to EAM
SFOV	Head (30cm)	Head (30cm)	Head (30cm)	Head (30cm)
Pitch	0(axial rotation on app. scan)	0(axial rotation on app. scan)	0(axial rotation on app. scan)	0(axial rotation on app. scan)
Beam Collimation	SC:80mm-160mm	SC:80mm-160mm	SC:80mm-160mm	SC:80mm-160mm
Rotation speed	0.5 seconds	0.5 seconds	0.6 seconds	0.6 seconds
kVp	120	120	120	120
mA	240	310	340	360
Noise Index	n/a	n/a	n/a	n/a
CTDI (mGy)	12.15	15.11	22.44	25.89
Avg DLP (mGy*cm)	102-194	127-241	187-358	216-414

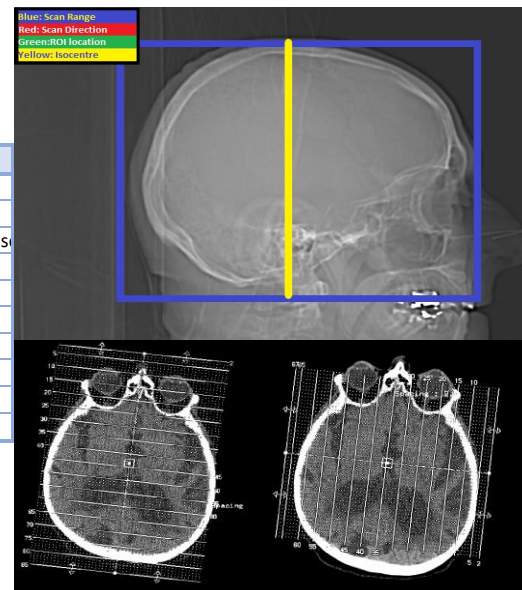
Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 5 min. Delay
Scan Range/Direction	Base of Skull to vertex	Base of Skull to vertex
DFOV	25cm	25cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	5 minute delay

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Head	Axial	palate	20%	STD	100/35	2.5/2.5mm	AHSPACS
Thin Non-Con Head	Axial	palate	40%	STD	100/35	.625/.625mm	
Non-Con Head	Coronal	⊥palate	40%	STD	100/35	2.5/2.5mm	AHSPACS
Non-Con Head	Sagittal	septum	40%	STD	100/35	2.5/2.5mm	AHSPACS
With 5 min delay	Axial	palate	20%	STD	100/35	2.5/2.5mm	AHSPACS
Thin 5 min Delay Head	Axial	palate	40%	STD	100/35	.625/.625mm	
With 5 min delay	Coronal	⊥palate	40%	STD	100/35	2.5/2.5mm	AHSPACS
With 5 min delay	Sagittal	septum	40%	STD	100/35	2.5/2.5mm	AHSPACS



Indication	Surgical Planning
Pre and post contrast	Craniosynostosis

Scanning Notes:

Parameters	Age 0-5 Years	Age 6-17 Years
Isocenter	Slightly Ant. to EAM	Slightly Ant. to EAM
SFOV	Head (30cm)	Head (30cm)
Pitch	0(axial rotation on app. sca	0(axial rotation on app. sca
Beam Collimation	SC:80mm-160mm	SC:80mm-160mm
Rotation speed	0.5 seconds	0.5 seconds
kVp	120	120
mA	180	300
Noise Index	n/a	n/a
CTDI (mGy)	11.83	21.43
Avg DLP (mGy*cm)	158-191	269-361

Scanning protocol:

Phase	NON-CONTRAST
Scan Range/Direction	Chin to vertex
DFOV	25cm
Contrast volume and rate	n/a
Scan Delay	n/a

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Head	Axial	palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
Thin Non-Con Head	Axial	palate	30%	STD	100/35	.625/.625mm	AHSPACS
Non-Con Head	Coronal	⊥palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
Non-Con Head	Sagittal	septum	30%	STD	100/35	2.5/2.5mm	AHSPACS
With 5 min delay	Axial	palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
Thin 5 min Delay Head	Axial	palate	30%	STD	100/35	.625/.625mm	AHSPACS
With 5 min delay	Coronal	⊥palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
With 5 min delay	Sagittal	septum	30%	STD	100/35	2.5/2.5mm	AHSPACS



Indication	Surgical Planning
Pre and post contrast	Mets

Scanning Notes:

Parameters	Non-Con Head	5 min. Delay
Isocenter	Slightly Ant. to EAM	Slightly Ant. to EAM
SFOV	Head (30cm)	Head (30cm)
Pitch	0(axial rotation on app. scanner)	0(axial rotation on app. scanner)
Beam Collimation	SC:80mm-160mm	SC:80mm-160mm
Rotation speed	0.6 seconds	0.6 seconds
kVp	120	120
mA	200-550	200-550
Noise Index	2.5	2.5
CTDI (mGy)	12.11	20.19
Avg DLP (mGy*cm)	484	484

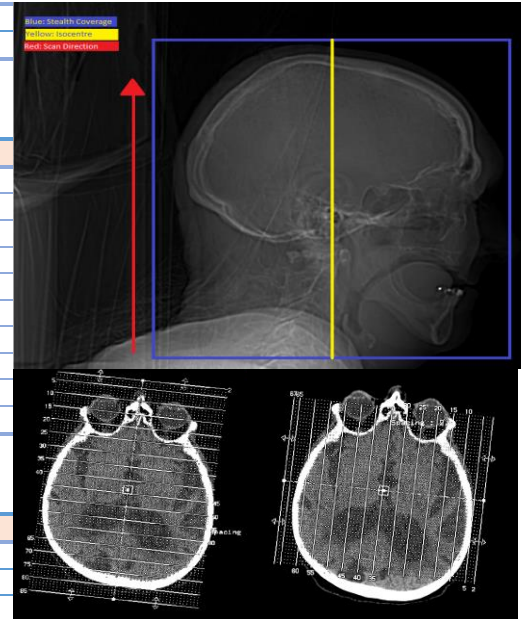
Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST
Scan Range/Direction	Chin to vertex	Chin to vertex
DFOV	25cm	25cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	5 minute delay

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Head	Axial	palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
Thin Non-Con Head	Axial	palate	30%	STD	100/35	.625/.625mm	AHSPACS
Non-Con Head	Coronal	⊥palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
Non-Con Head	Sagittal	septum	30%	STD	100/35	2.5/2.5mm	AHSPACS
With 5 min delay	Axial	palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
Thin 5 min Delay Head	Axial	palate	30%	STD	100/35	.625/.625mm	AHSPACS
With 5 min delay	Coronal	⊥palate	30%	STD	100/35	2.5/2.5mm	AHSPACS
With 5 min delay	Sagittal	septum	30%	STD	100/35	2.5/2.5mm	AHSPACS



Indication	Sinusitis
Post contrast	Infection

Scanning Notes:

Parameters	Age 0-5 years	Age 6-17 years
Isocenter	Mid-maxillary sinus	Mid-maxillary sinus
SFOV	Head (30cm)	Head (30cm)
Pitch	.984:1	.984:1
Beam Collimation	40mm	40mm
Rotation speed	0.28 seconds	0.28 seconds
kVp	120	120
mA	125	250
Noise Index	n/a	n/a
CTDI (mGy)	9.16	20.77
Avg DLP (mGy*cm)	215	488

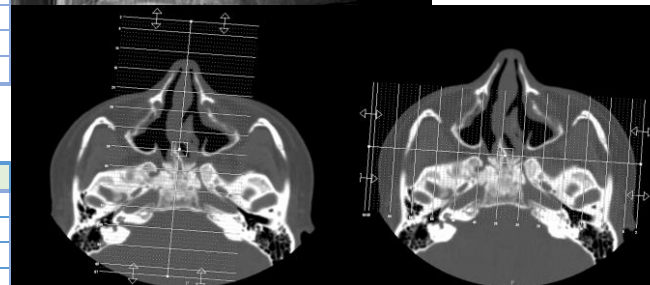
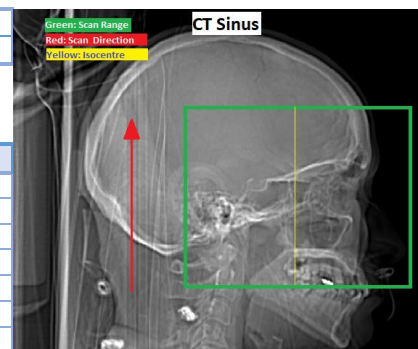
Scanning protocol:

Phase	Non-Con Sinus	Post Contrast 70 sec Delay
Scan Range/Direction	Mid teeth above frontal sinus	Mid teeth above frontal sinus
DFOV	15cm	15cm
Contrast volume and rate	n/a	100ml @ 2.0 ml/s
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Sinus	Axial	palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin Non-Con Sinus	Axial	palate	40%	DETAIL	400/40	.625/.625mm	AHSPACS
Non-Con Sinus	Coronal	⊥palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Non-Con Sinus	Sagittal	septum	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Post contrast 70 sec.	Axial	palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Post contrast 70 sec.	Axial	palate	40%	DETAIL	400/40	.625/.625mm	AHSPACS
Post contrast 70 sec.	Coronal	⊥palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Post contrast 70 sec.	Sagittal	septum	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS



Indication	Trauma
Post contrast	Infection

Scanning Notes:

Parameters	Age 0-5 years	Age 6-17 years
Isocenter	Mid-maxillary sinus	Mid-maxillary sinus
SFOV	Head (30cm)	Head (30cm)
Pitch	.984:1	.984:1
Beam Collimation	40mm	40mm
Rotation speed	0.28 seconds	0.28 seconds
kVp	120	120
mA	125	250
Noise Index	n/a	n/a
CTDI (mGy)	9.16	20.77
Avg DLP (mGy*cm)	215	488

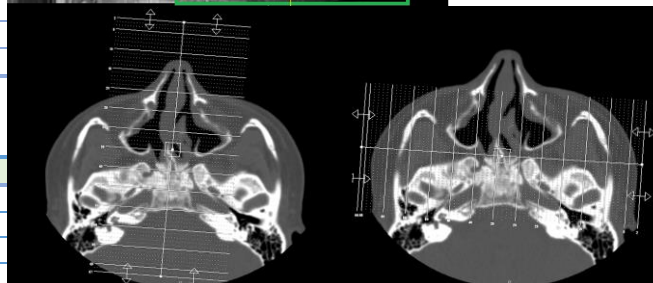
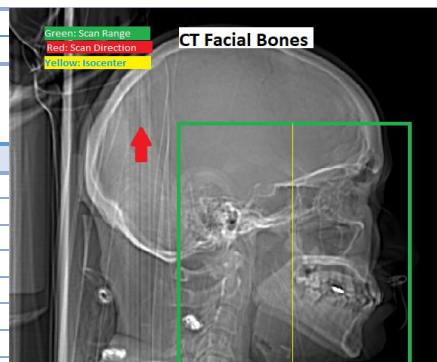
Scanning protocol:

Phase	Non-Con Facial Bones	Post Contrast 70 sec Delay
Scan Range/Direction	Below Mandible to Above frontal sinus	Below Mandible to Above frontal sinus
DFOV	15cm	15cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec. delay

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Facial Bones	Axial	palate	40%	DETAIL	2000/500	2.5/2.5mm	AHSPACS
Thin Non-Con Facial Bones	Axial	palate	40%	DETAIL	2000/500	.625/.625mm	AHSPACS
Non-Con Facial Bones	Coronal	⊥palate	40%	DETAIL	2000/500	2.5/2.5mm	AHSPACS
Non-Con Facial Bones	Sagittal	septum	40%	DETAIL	2000/500	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	palate	40%	DETAIL	2000/500	2.5/2.5mm	AHSPACS
Thin With 70 sec delay	Axial	palate	40%	DETAIL	2000/500	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	⊥palate	40%	DETAIL	2000/500	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	septum	40%	DETAIL	2000/500	2.5/2.5mm	AHSPACS



Indication	Trauma
Post contrast	Infection, Proptosis

Scanning Notes:

Parameters	Age 0-5 years	Age 6-17 years
Isocenter	Mid-maxillary sinus	Mid-maxillary sinus
SFOV	Head (30cm)	Head (30cm)
Pitch	.984:1	.984:1
Beam Collimation	40mm	40mm
Rotation speed	0.28 seconds	0.28 seconds
kVp	120	120
mA	125	250
Noise Index	n/a	n/a
CTDI (mGy)	9.16	20.77
Avg DLP (mGy*cm)	215	488

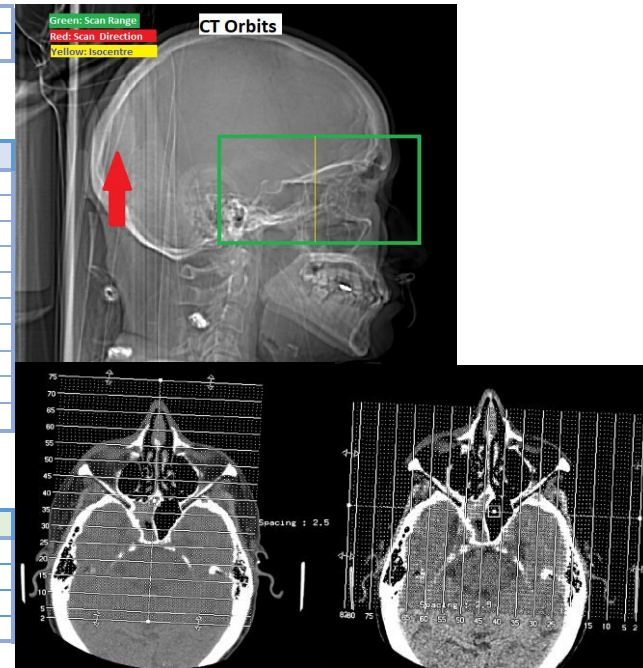
Scanning protocol:

Phase	Non-Con Orbits	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Below Mandible to Above frontal sinus	Below Mandible to Above frontal sinus
DFOV	15cm	15cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec. delay

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Orbits	Axial	palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin Non-Con Orbits	Axial	palate	40%	DETAIL	400/40	.625/.625mm	AHSPACS
Non-Con Orbits	Coronal	⊥palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Non-Con Orbits	Sagittal	septum	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin With 70 sec delay	Axial	palate	40%	DETAIL	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	⊥palate	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	septum	40%	DETAIL	400/40	2.5/2.5mm	AHSPACS



Indication	Trauma
Post contrast	Infection

Scanning Notes:

Parameters	0-14.4 kg	14.5-22.4 kg	22.5-40.4 kg	40.5-55 kg	55+ kg
Isocenter	Slightly Ant. to EAM	Slightly Ant. to EAM	Slightly Ant. to EAM	Slightly Ant. to EAM	Slightly Ant. to EAM
SFOV	Small Body (30cm)	Small Body (30cm)	Small Body (30cm)	Small Body (30cm)	Small Body (30cm)
Pitch	.984:1	.984:1	.984:1	.984:1	.984:1
Beam Collimation	40mm	40mm	40mm	40mm	40mm
Rotation speed	0.5 seconds	0.5 seconds	0.5 seconds	0.5 seconds	0.5 seconds
kVp	120	120	120	120	120
mA	60-100	70-150	80-180	90-200	100-220
Noise Index	6	6	6	6	6
CTDI (mGy)	1.91-3.19	2.23-4.78	2.55-5.74	2.87-6.38	3.19-7.02
Avg DLP (mGy*cm)	211	1400	1400	1400	1400

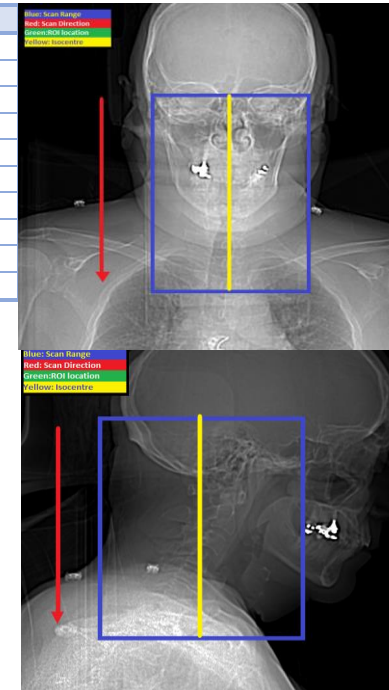
Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Base of Skull to T-3	Base of Skull to T-3
DFOV	15cm	15cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec. delay
CTDI (mGy)	15	15
Avg DLP (mGy*cm)	350	350

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con C-Spine	Axial	⊥Table	20%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin Non-Con C-Spine	Axial	⊥Table	50%	DETAIL	400/40	.625/.625mm	AHSPACS
Non-Con C-Spine	Coronal	∥ Table	50%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Non-Con C-Spine	Sagittal	∥ Table	50%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Table	20%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin With 70 sec delay	Axial	⊥Table	50%	DETAIL	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	∥ Table	50%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	∥ Table	50%	DETAIL	400/40	2.5/2.5mm	AHSPACS



Indication	Tracheal Trauma
Post contrast	Infection

Scanning Notes:

Parameters	0-11.4 kg	11.5-14.4 kg	14.5-18.4 kg	18.5-55 kg	55.1+ kg
Isocenter	Slightly Ant. to EAM	Slightly Ant. to EAM	Slightly Ant. to EAM	Slightly Ant. to EAM	Slightly Ant. to EAM
SFOV	Small Body (30cm)	Small Body (30cm)	Small Body (30cm)	Small Body (30cm)	Small Body (30cm)
Pitch	.984:1	.984:1	.984:1	.984:1	.984:1
Beam Collimation	40mm	40mm	40mm	40mm	40mm
Rotation speed	0.5 seconds	0.5 seconds	0.5 seconds	0.5 seconds	0.5 seconds
kVp	80	80	80	80	100
mA	60-100	70-100	100-150	100-180	100-220
Noise Index	3.5	3.9	3.9	3.9	4.3
CTDI (mGy)	.64-1.07	.75-1.28	1.07-1.61	1.07-2.68	2.01-6.03
Avg DLP (mGy*cm)	211	1400	1400	1400	1400

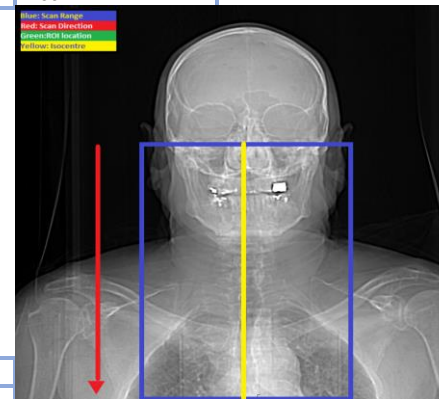
Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Below Mandible to Above frontal sinus	Below Mandible to Above frontal sinus
DFOV	Skin to Skin	Skin to Skin
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec. delay
CTDI (mGy)	15	15
Avg DLP (mGy*cm)	125	125

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Neck	Axial	⊥Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin Non-Con Neck	Axial	⊥Table	30%	DETAIL	400/40	.625/.625mm	AHSPACS
Non-Con Neck	Coronal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Non-Con Neck	Sagittal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
Thin With 70 sec delay	Axial	⊥Table	30%	DETAIL	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	Table	30%	DETAIL	400/40	2.5/2.5mm	AHSPACS



Indication	Trauma, near syncope, TIA, Stroke, Seizure
Pre and post contrast	Generally with or without not both

Blue: Scan Range
Red: Scan Direction
Green: ROI location
Yellow: Isocentre

Scanning Notes: Left and Right DFOV should be 10cm

Parameters	Age 0-1 years	Age 1+ years
Isocenter	Slightly Ant. to EAM	Slightly Ant. to EAM
SFOV	Head (30cm)	Head (30cm)
Pitch	0(axial rotation on app. scanner)	0(axial rotation on app. scanner)
Beam Collimation	SC: 80mm	SC: 80mm
Rotation speed	0.5 seconds	0.5 seconds
kVp	100	120
mA	100	120
Noise Index	n/a	n/a
CTDI (mGy)	4.84	9.02
Avg DLP (mGy*cm)	38.69	72.13

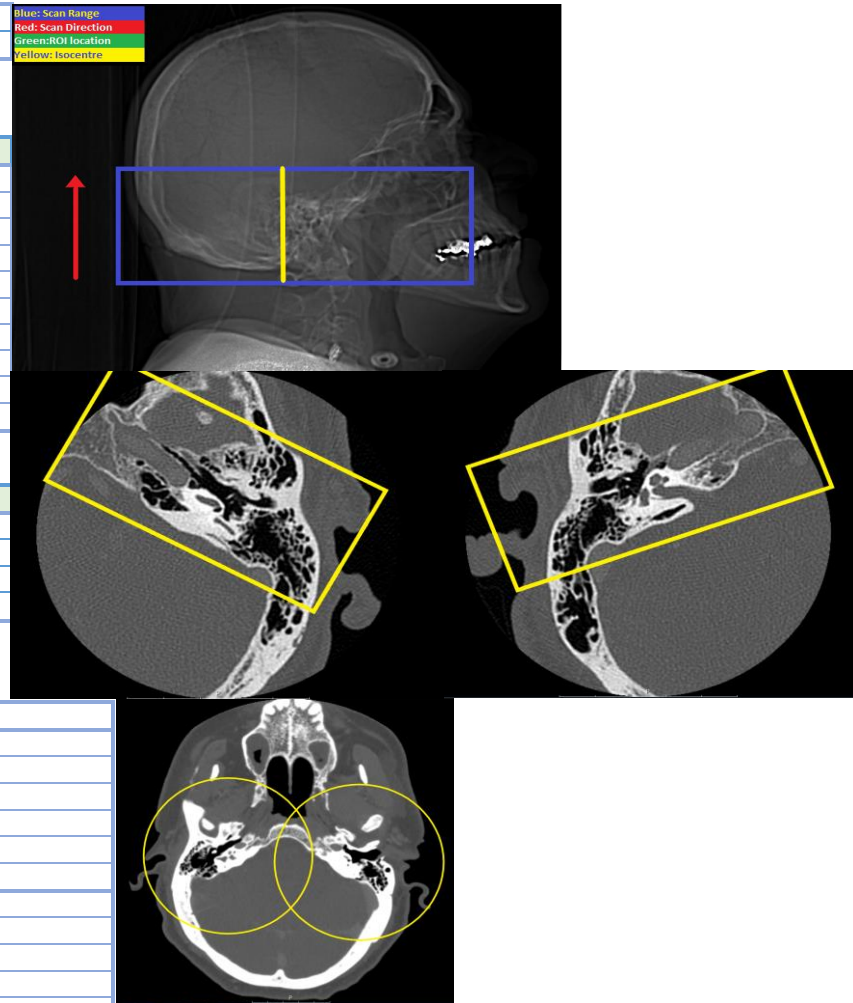
Scanning protocol:

Phase	Non-Con Temporal Bones	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Base of Skull > above Temporal Sinus	Base of Skull > above Temporal Sinus
DFOV	25cm	25cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	5 minute delay

Post Processing:

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Full Fov	Axial	Beam	0%	STD	2000/500	.625/.625mm	AHSPACS
Bilateral Coronal	Coronal	EAM-EAM	0%	STD	2000/500	1.25/1.25mm	AHSPACS
Left Temporal bone	Axial	Beam	0%	Bone Plus	2000/500	.625/.3125mm	AHSPACS
Right Temporal Bone	Axial	Beam	0%	Bone Plus	2000/500	.625/.3125mm	AHSPACS
Left Coronal	Coronal	Sphenoid	0%	Bone Plus	2000/500	.625/.625mm	AHSPACS
Right Coronal	Coronal	Sphenoid	0%	Bone Plus	2000/500	.625/.625mm	AHSPACS
70 Sec. delay Full Fov	Axial	Beam	0%	STD	2000/500	.625/.625mm	AHSPACS
70 Sec. Bilat. Cor.	Coronal	EAM-EAM	0%	STD	2000/500	1.25/1.25mm	AHSPACS
70 Sec. Left T bone	Axial	Beam	0%	Bone Plus	2000/500	.625/.3125mm	AHSPACS
70 Sec. Right T Bone	Axial	Beam	0%	Bone Plus	2000/500	.625/.3125mm	AHSPACS
70 Sec. Left Cor.	Coronal	Sphenoid	0%	Bone Plus	2000/500	.625/.625mm	AHSPACS
70 Sec. Right Cor.	Coronal	Sphenoid	0%	Bone Plus	2000/500	.625/.625mm	AHSPACS



Indication	SOB
Post Contrast	Mets

Scanning Notes:

Parameters	0-20 lbs.	20-40 lbs.	40-60 lbs.	60-80 lbs.	80-100 lbs.	100-150 lbs.	150+ lbs.
Isocenter	Mid-Body	Mid-Body	Mid-Body	Mid-Body	Mid-Body	Mid-Body	Mid-Body
SFOV	Ped Body	Small Body	Small Body	Large Body	Large Body	Large Body	Large Body
Pitch	.984:1	.984:1	.984:1	.984:1	.984:1	.984:1	.984:1
Beam Collimation	SC:80mm-160mm	SC:80mm-160mm	SC:80mm-160mm	SC:80mm-160mm	SC:80mm-160mm	SC:80mm-160mm	SC:80mm-160mm
Rotation speed	0.28 seconds	0.28 seconds	0.28 seconds	0.35 seconds	0.35 seconds	0.35 seconds	0.35 seconds
kVp	80	100	100	120	120	120	120
mA	80-200	80-200	100-300	100-200	100-300	225-425	225-550
Noise Index	11.5	12.7	13	14.5	14.5	15	15
CTDI (mGy)	.44-1.1	.9-2.25	1.12-3.37	2.43-4.86	2.43-7.29	5.47-10.33	5.47-13.37
Avg DLP (mGy*cm)	211	1400	1400	1400	1400	1400	1400

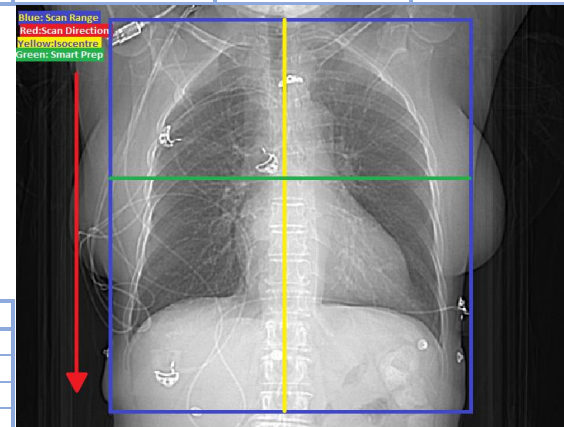
Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 50 sec. Delay
Scan Range/Direction	Above Apices to Mid-pole Kidneys	Above Apices to Mid-pole Kidneys
DFOV	35cm Muscle to Muscle	35cm Muscle to Muscle
Contrast volume and rate	n/a	50 ml @ 2ml/sec
Scan Delay	n/a	50 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Chest	Axial	⊥Table	40%	STD	400/40	3.75/3.75mm	AHSPACS
Non-Con Chest Thins	Axial	⊥Table	40%	STD	400/40	.625/.625mm	AHSPACS
Non-Con Chest	Coronal	Body	40%	STD	400/40	3.75/3.75mm	AHSPACS
Non-Con Chest	Sagittal	Body	40%	STD	400/40	3.75/3.75mm	AHSPACS
Non-Con Chest	Axial	⊥Table	40%	Lung	2000/-700	1.25/1.25mm	AHSPACS
Non-Con Chest MIPs	Axial/MIPs	⊥Table	40%	Lung	2000/-700	8mm/3mm	AHSPACS
50 Sec. Chest	Axial	⊥Table	40%	STD	400/40	3.75/3.75mm	AHSPACS
50 Sec. Chest Thins	Axial	⊥Table	40%	STD	400/40	.625/.625mm	AHSPACS
50 Sec. Chest	Coronal	Body	40%	STD	400/40	3.75/3.75mm	AHSPACS
50 Sec. Chest	Sagittal	Body	40%	STD	400/40	3.75/3.75mm	AHSPACS
50 Sec. Chest Lung	Axial	⊥Table	40%	Lung	2000/-700	1.25/1.25mm	AHSPACS
50 Sec. Chest Lung MIP	Axial/MIPs	⊥Table	40%	Lung	2000/-700	8mm/3mm	AHSPACS



Indication	Pulmonary Embolous
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Scanning Notes: **PE studies should have contrast as dense as possible. Shrinking the ROI, too small for Smart Prep may result in false trigger from streak artifact. 3D images required for all PE studies.**

Parameters	0-20 lbs.	20-40 lbs.	40-60 lbs.	60-80 lbs.	80-100 lbs.	100-150 lbs.	150+ lbs.
Isocenter	Mid-Body	Mid-Body	Mid-Body	Mid-Body	Mid-Body	Mid-Body	Mid-Body
SFOV	Ped Body	Small Body	Small Body	Large Body	Large Body	Large Body	Large Body
Pitch	.984:1	.984:1	.984:1	.984:1	.984:1	.984:1	.984:1
Beam Collimation	SC:80mm-160mm	SC:80mm-160mm	SC:80mm-160mm	SC:80mm-160mm	SC:80mm-160mm	SC:80mm-160mm	SC:80mm-160mm
Rotation speed	0.28 seconds	0.28 seconds	0.28 seconds	0.35 seconds	0.35 seconds	0.35 seconds	0.35 seconds
kVp	80	100	100	120	120	120	120
mA	80-200	80-200	100-300	100-200	100-300	225-425	225-550
Noise Index	11.5	12.7	13	14.5	14.5	15	15
CTDI (mGy)	.44-1.1	.9-2.25	1.12-3.37	2.43-4.86	2.43-7.29	5.47-10.33	5.47-13.37
Avg DLP (mGy*cm)	211	1400	1400	1400	1400	1400	1400

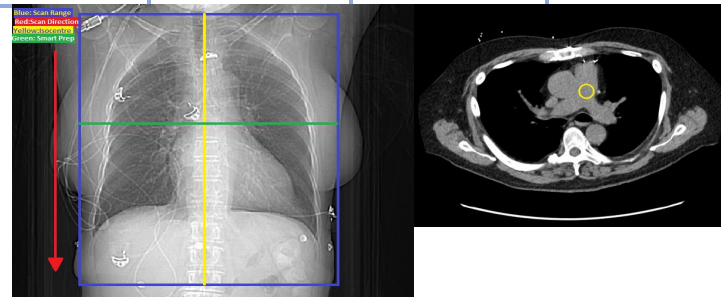
Scanning protocol:

Phase	Pulmonary Art. Phase
Scan Range/Direction	Apices to Mid-Kidney
DFOV	40cm
Contrast volume and rate	Omni 350 100ml@4.0cc/s
Scan Delay	SmartPrep on Pulmonary Artery

Post Processing:

ALL COR/SAG RECONNED FROM .625MM VOLUME / 3D IMAGES RECONNED ON AW SERVER AUTOBONEXPRESS

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Pulmonary Art. Phase	Axial	⊥ Table	50%	LUNG	2000/-700	2.5/2.5mm	AHSPACS
Pulmonary Art. Phase	Axial	⊥ Table	50%	STD	400/40	2.5/2.5mm	AHSPACS
Pulmonary Art. Phase	Axial	⊥ Table	50%	STD	400/40	.625/.625mm	AHSAW
Pulmonary Art. Phase	Axial	⊥ Table	50%	STD	400/40	1mm/1mm	AHSPACS
Pulmonary Art. Phase	Coronal	∥ Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS
Pulmonary Art. Phase	Sagittal	∥ Chest	50%	STD	400/40	2.5/2.5mm	AHSPACS
Pulmonary Art. Phase	Axial	⊥ Table	50%	STD/MIP	400/40	8mm/3mm	AHSPACS
CTA Chest 3D MIP	Spin			STD		10°	AHSPACS
CTA Chest 3D VR	Spin			STD		10°	AHSPACS



Indication	Kidney Stones
Post Contrast	Infection

Scanning Notes:

Parameters	0-20 lbs.	20-40 lbs.	40-60 lbs.	60-80 lbs.	80-100 lbs.	100-150 lbs.	150+ lbs.
Isocenter	Mid-Body	Mid-Body	Mid-Body	Mid-Body	Mid-Body	Mid-Body	Mid-Body
SFOV	Ped Body	Small Body	Small Body	Medium Body	Large Body	Large Body	Large Body
Pitch	.984:1	.984:1	.984:1	.984:1	.984:1	.984:1	.984:1
Beam Collimation	SC:80mm-160mm	SC:80mm-160mm	SC:80mm-160mm	SC:80mm-160mm	SC:80mm-160mm	SC:80mm-160mm	SC:80mm-160mm
Rotation speed	0.28 seconds	0.35 seconds	0.35 seconds	0.35 seconds	0.35 seconds	0.35 seconds	0.5 seconds
kVp	100	100	100	120	120	120	120
mA	90-190	140-200	180-240	140-260	220-320	290-420	300-550
Noise Index	10	11	12	13	13	13.5	13.5
CTDI (mGy)	1.01-2.14	1.55-2.81	1.97-3.37	3.67-6.81	3.67-8.38	4.19-11	6.95-19.1
Avg DLP (mGy*cm)	211	211	211	211	211	211	211

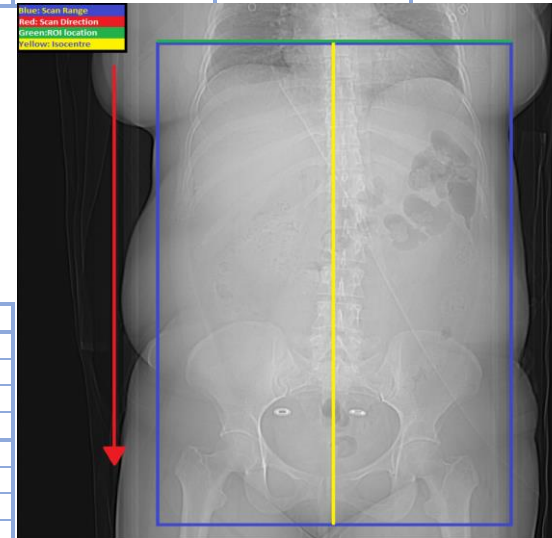
Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Diaphragm to Ischial Tuberosities	Diaphragm to Ischial Tuberosities
DFOV	35cm Muscle to Muscle	35cm Muscle to Muscle
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con ABD/PEL	Axial	⊥Table	30%	STD	400/40	3.75/3.75mm	AHSPACS
Non-Con ABD/PEL Thins	Axial	⊥Table	30%	STD	400/40	.625/.625mm	AHSPACS
Non-Con ABD/PEL	Coronal	∥ Body	30%	STD	400/40	3.75/3.75mm	AHSPACS
Non-Con ABD/PEL	Sagittal	∥ Body	30%	STD	400/40	3.75/3.75mm	AHSPACS
With 70 sec delay	Axial	⊥Table	30%	STD	400/40	3.75/3.75mm	AHSPACS
With 70 sec Delay Thin	Axial	⊥Table	30%	STD	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	∥ Body	30%	STD	400/40	3.75/3.75mm	AHSPACS
With 70 sec delay	Sagittal	∥ Body	30%	STD	400/40	3.75/3.75mm	AHSPACS



Indication	Injury
Post Contrast	Infection

Scanning Notes:		
Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Mid Extremity	Mid Extremity
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.984:1	.984:1
Beam Collimation	40mm	40mm
Rotation speed	0.5	0.5
kVp	100	100
Noise Index	9	9
mA	200-635	200-635
CTDI (mGy)	6.12-30.1	6.12-30.1
Avg DLP (mGy*cm)	500	500

Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Anatomy Indicated by order	Anatomy Indicated by order
DFOV	20cm	20cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con UE	Axial	⊥Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con UE Thins	Axial	⊥Anatomy	50%	STD	400/40	.625/.625mm	AHSPACS
Non-Con UE	Coronal	∥ Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con UE	Sagittal	∥ Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec Delay Thin	Axial	⊥Anatomy	50%	STD	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	∥ Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	∥ Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS

Indication	Injury
Post Contrast	Infection

Scanning Notes:		
Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Mid Extremity	Mid Extremity
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.984:1	.984:1
Beam Collimation	40mm	40mm
Rotation speed	0.5	0.5
kVp	100	100
Noise Index	9	9
mA	200-635	200-635
CTDI (mGy)	6.12-30.1	6.12-30.1
Avg DLP (mGy*cm)	500	500

Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Anatomy Indicated by order	Anatomy Indicated by order
DFOV	20cm	20cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con UE	Axial	⊥Anatomy	40%	Bone	400/40	2.5/2.5mm	AHSPACS
Non-Con UE Thins	Axial	⊥Anatomy	30%	Bone Plus	400/40	.625/.625mm	AHSPACS
Non-Con UE	Coronal	Anatomy	30%	Bone Plus	400/40	2.5/2.5mm	AHSPACS
Non-Con UE	Sagittal	Anatomy	30%	Bone Plus	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Anatomy	40%	Bone	400/40	2.5/2.5mm	AHSPACS
With 70 sec Delay Thin	Axial	⊥Anatomy	30%	Bone Plus	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	Anatomy	30%	Bone Plus	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	Anatomy	30%	Bone Plus	400/40	2.5/2.5mm	AHSPACS

Indication	Injury
Post Contrast	Infection

Scanning Notes:		
Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Mid Extremity	Mid Extremity
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.984:1	.984:1
Beam Collimation	40mm	40mm
Rotation speed	0.5	0.5
kVp	100	100
Noise Index	9	9
mA	200-635	200-635
CTDI (mGy)	6.12-30.1	6.12-30.1
Avg DLP (mGy*cm)	500	500

Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Anatomy Indicated by order	Anatomy Indicated by order
DFOV	20cm	20cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con UE	Axial	⊥Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con UE Thins	Axial	⊥Anatomy	50%	Detail	400/40	.625/.625mm	AHSPACS
Non-Con UE	Coronal	Anatomy	50%	Detail	400/40	2.5/2.5mm	AHSPACS
Non-Con UE	Sagittal	Anatomy	50%	Detail	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec Delay Thin	Axial	⊥Anatomy	50%	Detail	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	Anatomy	50%	Detail	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	Anatomy	50%	Detail	400/40	2.5/2.5mm	AHSPACS

Indication	Injury
Post Contrast	Infection

Scanning Notes:

Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Mid Extremity	Mid Extremity
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.984:1	.984:1
Beam Collimation	40mm	40mm
Rotation speed	0.5	0.5
kVp	100	100
Noise Index	9	9
mA	200-635	200-635
CTDI (mGy)	6.12-30.1	6.12-30.1
Avg DLP (mGy*cm)	500	500

Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Anatomy Indicated by order	Anatomy Indicated by order
DFOV	20cm	20cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Hip	Axial	⊥Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con HIP Thins	Axial	⊥Anatomy	50%	STD	400/40	.625/.625mm	AHSPACS
Non-Con HIP	Coronal	Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con HIP	Sagittal	Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec Delay Thin	Axial	⊥Anatomy	50%	STD	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS

Indication	Injury
Post Contrast	Infection

Scanning Notes:		
Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Mid Extremity	Mid Extremity
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.984:1	.984:1
Beam Collimation	40mm	40mm
Rotation speed	0.5	0.5
kVp	100	100
Noise Index	9	9
mA	200-635	200-635
CTDI (mGy)	6.12-30.1	6.12-30.1
Avg DLP (mGy*cm)	500	500

Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Anatomy Indicated by order	Anatomy Indicated by order
DFOV	20cm	20cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Foot/Ankle	Axial	⊥Anatomy	30%	Bone	400/40	2.5/2.5mm	AHSPACS
Non-Con Foot/Ankle Thins	Axial	⊥Anatomy	30%	Detail	400/40	.625/.625mm	AHSPACS
Non-Con Foot/Ankle	Coronal	Anatomy	30%	Detail	400/40	2.5/2.5mm	AHSPACS
Non-Con Foot/Ankle	Sagittal	Anatomy	30%	Detail	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Anatomy	30%	Bone	400/40	2.5/2.5mm	AHSPACS
With 70 sec Delay Thin	Axial	⊥Anatomy	30%	Detail	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	Anatomy	30%	Detail	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	Anatomy	30%	Detail	400/40	2.5/2.5mm	AHSPACS

Indication	Injury
Post Contrast	Infection

Scanning Notes:		
Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Mid Extremity	Mid Extremity
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.984:1	.984:1
Beam Collimation	40mm	40mm
Rotation speed	0.5	0.5
kVp	100	100
Noise Index	9	9
mA	6.12-30.1	6.12-30.1
CTDI (mGy)	6 to 30	6 to 30
Avg DLP (mGy*cm)	500	500

Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Anatomy Indicated by order	Anatomy Indicated by order
DFOV	20cm	20cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Knee	Axial	⊥Anatomy	50%	Bone	400/40	2.5/2.5mm	AHSPACS
Non-Con Knee Thins	Axial	⊥Anatomy	50%	Detail	400/40	.625/.625mm	AHSPACS
Non-Con Knee	Coronal	∥ Anatomy	50%	Detail	400/40	2.5/2.5mm	AHSPACS
Non-Con Knee	Sagittal	∥ Anatomy	50%	Detail	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Axial	⊥Anatomy	50%	Bone	400/40	2.5/2.5mm	AHSPACS
With 70 sec Delay Thin	Axial	⊥Anatomy	50%	Detail	400/40	.625/.625mm	AHSPACS
With 70 sec delay	Coronal	∥ Anatomy	50%	Detail	400/40	2.5/2.5mm	AHSPACS
With 70 sec delay	Sagittal	∥ Anatomy	50%	Detail	400/40	2.5/2.5mm	AHSPACS

Indication	Injury
Post Contrast	Infection

Scanning Notes:		
Parameters	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Isocenter	Mid Extremity	Mid Extremity
SFOV	Large Body (50cm)	Large Body (50cm)
Pitch	.984:1	.984:1
Beam Collimation	40mm	40mm
Rotation speed	0.5	0.5
kVp	100	100
Noise Index	9	9
mA	200-635	200-635
CTDI (mGy)	6.12-30.1	6.12-30.1
Avg DLP (mGy*cm)	500	500

7878

Scanning protocol:

Phase	NON-CONTRAST	POST-CONTRAST 70 sec. Delay
Scan Range/Direction	Anatomy Indicated by order	Anatomy Indicated by order
DFOV	20cm	20cm
Contrast volume and rate	n/a	100 ml @ 2ml/sec
Scan Delay	n/a	70 sec

Post Processing: If exam is pre/post contrast Cor and Sag only on the post contrast images

ALL IMAGES RECONNED FROM .625MM VOLUME

Phase	Plane	Angle	ASIR	Algorithm	WW/WL	Thick/Int.	Dest.
Non-Con Lwr. Ext.	Axial	⊥Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con Lwr. Ext. Thins	Axial	⊥Anatomy	50%	STD	400/40	.625/.625mm	AHSPACS
Non-Con Lwr. Ext.	Coronal	Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con Lwr. Ext.	Sagittal	Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con Lwr. Ext.	Axial	⊥Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con Lwr. Ext. Thins	Axial	⊥Anatomy	50%	STD	400/40	.625/.625mm	AHSPACS
Non-Con Lwr. Ext.	Coronal	Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS
Non-Con Lwr. Ext.	Sagittal	Anatomy	50%	STD	400/40	2.5/2.5mm	AHSPACS